Forest Inventory Planning
Relational Data Dictionary
Version 2.0

British Columbia
Ministry of Sustainable Resource Management

November 1997

Title supplied by cataloguer

fip_attribute_name	short_description	page
activity_cd	history activity code	1
activity_sub_cd	insect or disease disturbance code	3
activity_year_1	earliest year of activity	7
activity_year_2	latest year of activity	8
age_class_cd	age class at reference year	9
age_range_maximum	maximum age	10
age_range_minimum	minimum age	11
agricultural_land_reserve_cd	agriculture land reserve	12
air_crown_closure_pct	crown closure	13
aspect_cd	aspect	14
attack_level	damage severity	15
attribute_cd	history attribute codes	16
bgc_phase	biogeoclimatic phase	17
bgc_subzone	biogeoclimatic subzone	18
bgc_variant	biogeoclimatic variant	19
bgc_zone	biogeoclimatic zone	20
blank1	n/a	21
card_source_cd	forest cover data entry type	22
coast_interior_cd	coast/interior code	23
comparment_letter	inventory compartment letter	24
compartment	inventory compartment	25
crown_closure_class	crown closure class	26
culmination_mai_pri_lvl	culmination mean annual increment - primary utilization	27
culmination_mai_sec_lvl	culmination mean annual increment - secondary utilization	28
data_srce_class_cd	data source class code	29
data_srce_orign_cd	data source origin	30
dbh_limit_cd	dbh limit	31
development_plan	development plan	32
disturbance_cd	disturb	33
disturbance_percentage_cd	partial disturbance percentage	34
edatopic_moist_cd	edatopic code	35
edatopic_nutrnt_cd	edatopic code	36
elevation	elevation	37
esa_category1_cd	environmentally sensitive area code - high sensitivity	38
esa_category2_cd	environmentally sensitive area code - moderate sensitivity	39
esa_wildlife_cd	esa wildlife species code	40
fish_area	fisheries area	41
fiz_code	forest inventory zone	42
for_cover_layer_cd	stand layer	43
for_cover_rank_cd	rank or importance of layer	44
forest_cover_polygon_id	forest cover polygon number	45
forest_district	forest district	46
graphics_date	graphics creation date	47
graphics_version	graphics version number	48
grid_area	utm grid area	49
grid_no	utm grid number	50
growth_type_group	growth type group	51
hay_cutting_no	hay cutting number	52
height_class_cd	height class at reference year	53
hist_class_site_cd	historical site class	54
hist_class_special_site_cd	historical special site class code	55
history_cnt	number of history records	56
history_layer	stand layer to which history record applies	57
history_reference	history reference indicator	58
inoperability_ind	inoperability code	59
input_date	data input date	60
inventory_region	inventory region	61
inventory_type_group_number	inventory type group	62
inventory_type_group_source_cd	inventory type group origin	64
last_edit_date	last fip edit date	65
last_error_check_date	last fip error check date	66
last_error_check_version	last error check version	67
last_fipupdate_date	last fipupdate date	68

last_fipupdate_version	last fipupdate version - version record	69
layer_cnt	number of layer records	70
management_zone	management zone	71
mapsheet_id	forest cover map number	72
mean_diameter_pri_util_lvl	mean stand diameter - primary utilization level	73
mean_diameter_sec_util_lvl	mean stand diameter - secondary utilization level	74
non_forest_description	non-forest description	75
non_productive_cd	basic class	76
non_productive_forest_descriptor	non-productive descriptor	77
nts_map_number	nts/bcgs adjoining map number	78
opening_number	silviculture opening number	79
operability_cd	operability	80
ownership_cd	ownership	81
ownership_character_cd	ownership character	82
pest_severity_cd	degree or insect or disease infestation	83
planning_cell	planning cell	84
plantation_species_1	plantation species - leading species	85
plantation_species_2	plantation species - second species	86
polygon_area	forest polygon area	87
polygon_region	forest region	88
pri_util_lvl_cd	primary utilization level	89
projected_age	projected age	90
projected_age_class_cd	projected age class	91
projected_ba_pri_lvl	basal area - primary utilization projected	92
projected_ba_sec_lvl	basal area - secondary utilization projected	93
projected_date	data projection date	94
projected_height	projected height	95
projected_height_class_cd	projected height class	96
projected_stocking class_cd	projected stocking class	97
projected_type_id	projected type identity	98
provincial_forest	provincial forest	99
provincial_forest_ind	provincial forest sub code	100
range_community_type_no	range community type number	101
range_pasture_cd	range pasture	102
range_type_no	range type number	103
range_unit_nbr	range unit	104
rec_activity_cd	recreation activity	105
rec_feature_cd	recreation feature	106
rec_feature_sig	recreation feature significance	107
rec_mgmnt_cd	recreation management code	108
rec_mgmnt_class	recreation management class	109
rec_ros	recreation opportunity spectrum	110
record_type_cd	record type indicator	111
recreation_polygon_no	recreation polygon number	112
reference_year	reference year	113
result_area	resultant area	114
resultant_cnt	number of resultant records	115
resultant_ind	resultant record indicator	116
resultant_no	resultant number	117
road_area	road area	118
sec_util_lvl_cd	secondary utilization level	119
secondary_element_cd	secondary layers for cc records	120
secondary_element_spp_cd	secondary element species	121
separator_char	activity separator character	122
site_class_5m	5 metre site classes	123
site_index	site index	124
site_index_estimated	estimated site index	125
site_index_estimated_source_cd	estimated site index source	126
slope	slope	127
soil_unit	soil unit	128
special_cruise_number	public sustained yield unit	129
special_cruise_number_code	public sustained yield unit block	130
stand_age	stand age at reference year	131
stand_ba_pri_lvl	basal area - primary utilization at reference year	132

stand_ba_sec_lvl	basal area - secondary utilization at reference year	133
stand_establishment_year	year of stand establishment	134
stand_height	stand height at reference year	135
stems_per_hectare	stems per hectare	136
stock_range_nbr	stock range	137
stocking_class_cd	stocking class at reference year	138
stocking_class_source_cd	stocking class source code	139
tree_species_cd_1	species composition - leading species	140
tree_species_cd_2	species composition - second species	142
tree_species_cd_3	species composition - third species	144
tree_species_cd_4	species composition - fourth species	146
tree_species_cd_5	species composition - fifth species	147
tree_species_cd_6	species composition - sixth species	148
tree_species_pct_1	percent species composition - leading species	149
tree_species_pct_2	percent species composition - second species percent	150
tree_species_pct_3	percent species composition - third species percent	151
tree_species_pct_4	percent species composition - fourth species percent	152
tree_species_pct_5	percent species composition - fifth species percent	153
tree_species_pct_6	percent species composition - sixth species percent	154
tsa_number	timber supply area number	155
tsb_number	timber supply block	156
type_identity_reference	type identity at reference year	157
update_date	update date	158
update_reference_year	update reference year	159
vol_per_ha_spp_1_pri_util_lvl	leading species volume per hectare - primary utilization	160
vol_per_ha_spp_1_sec_util_lvl	leading species volume per hectare - secondary utilization	161
vol_per_ha_spp_2_pri_util_lvl	second species volume per hectare - primary utilization	162
vol_per_ha_spp_2_sec_util_lvl	second species volume per hectare - secondary utilization	163
vol_per_ha_spp_3_pri_util_lvl	third species volume per hectare - primary utilization	164
vol_per_ha_spp_3_sec_util_lvl	third species volume per hectare - secondary utilization	165
vol_per_ha_spp_4_pri_util_lvl	fourth species volume per hectare - primary utilization	166
vol_per_ha_spp_4_sec_util_lvl	fourth species volume per hectare - secondary utilization	167
vol_per_ha_spp_5_pri_util_lvl	fifth species volume per hectare - primary utilization	168
vol_per_ha_spp_5_sec_util_lvl	fifth species volume per hectare - secondary utilization	169
vol_per_ha_spp_6_pri_util_lvl	sixth species volume per hectare - primary utilization	170
vol_per_ha_spp_6_sec_util_lvl	sixth species volume per hectare - secondary utilization	171
volume_adjustment_factor	volume adjustment factor	172
well_spaced_stems	well spaced stems per hectare	173
wildlife_cd	wildlife code	174
woodcost	wood delivery cost	175

106-04712/

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**Activity_CD**	
Alias:	**Activity_CD**	

Forestry Term: History Activity Code

Description: A code describing the historical activity (e.g. Wildfire, Juvenile Spacing, Fertilization, etc.) that occurred in the specified layer of the stand.

Content: 2 position 1 character alpha code designating the history or silviculture activity

Default: Must have value

Permitted Values:
A - Animal damage (general) DI
B - Wildlife DI
BE - Escaped burn (DI)
BG - Ground fire (DI)
BR - Range burn (DI)
BW - Wildlife burn (DI)
D - Diseases (general) (DI)
F - Flooding (DI)
I - Insects (general) (DI)
K - Fume Kill (DI)
L - Logging (DI)
L - Logging (partial disturbance) (DI)
N - Non-Biological (abiotic) injuries (DI)
R - Site rehabilitation (DI)
S - Slide or Avalanche (DI)
T - Treatment injuries (general) (DI)
U - Damage (cause unknown) (DI)
V - Problem vegetation (DI)
W - Windthrow (DI)
B - Broadcast burn (SI)
C - Chemical (SI)
G - Grass Seeded (SI)
H - Hand preparation (SI)
M - Mechanical scarification (SI)
MS - Mechanical scarification & spot burn (SI)
RB - Range management burn (SI)
S - Spot burn (SI)
W - Windthrow (SI)
F - Fertilization (ST)
H - Hack and Squirt (ST)
J - Juvenile spacing (ST)
M - Mistletoe control (ST)
P - Pruning (ST)
R - Conifer release (ST)
S - Sanitation spacing (ST)
T - Commercial Thinning (ST)
W - Brushing and Weeding (ST)

Use: Used in conjunction with the History Attribute Code to uniquely describe the historical events that have occurred in a specified layer of the stand. This historical information is used to provide summaries of causes of disturbance and silviculutral activities. When undertaking summaries, care should be taken to check all layers. Components of the Activity code are placed on a labelled map.

Linkage: Activity_sub_cd, Attribute_cd

Format: Record type: History
Field: 7
Type: Character

Width: 2
Dec:
Position: 21: 22

Related Attribute: Attribute_cd

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**Activity_Sub_Cd**	
Alias:	**Insect_Disease_Cd**	

Forestry Term: Insect or Disease Distur

Description: A code indicating the type of insect or disease that has caused a disturbance in the stand's history. Stands with a disturbance caused by insects or disease can be further described by the type of insect or disease.

Content: 2 character alpha code indicating species of insect or type of disease responsible for disturbance.

Default: Blank

Permitted Values:

Animal Damage (general)
B - Bear
C - Cattle
D - Deer
E - Elk
H - Hare or Rabbit
M - Moose
P - Porcupine
S - Squirrel
V - Vole
X - Birds
Z - Beaver

Diseases (general)
1 - Dwarf Mistletoes
2 - Roots Rots
3 - Foliage Diseases
4 - Rusts
01 - Dwarf Mistletoes
02 - Roots Rots
03 - Foliage Diseases
04 - Rusts
A - Foliages Diseases (general)
AF - Broom Rusts
B - Brooming (Non-Mistletoe)
BF - Fir Broom Rust
BS - Spruce Broom Rust
D - Stem Rots (general)
DA - Armillaria
DC - Laminated, Cedar Strain Only
DE - Rust-Red Stringy Rot
DF - Brown Crumbly Rot
DI - Tomentosus
DL - Laminated (not cedar strain)
DN - Annosus
DP - Red Ring Rot
DS - Schweinitzii Butt Rot
DT - Aspen Trunk Rot
F - Foiage Diseases (general)
FB - Larce Needle Blight
FD - Douglas-fir Needle Cast
FE - Elytroderma Needle Cast
FL - Lophodermelia (Pine) Needle Cast
FM - Larch Needle Cast
FP - Fir Needle Blight (Fir-fireweed Rust)
FR - Red Band Needle (Blight) Cast
L - Leader and Branch Dieback (general)
LD - Derma Canker

LL - Leader Dieback
LP - Phomopsis Canker
LR - Branch Dieback
LS - Sydowia (Sclerophoma) Tip Dieback
LV - Aspen-poplar Twig Blight
M - Dwarf Mistletos (general)
MF - Douglas-fir Dwarf Mistletoe
MH - Hemlock Dwarf Mistletoe
ML - Larch Dwarf Mistletoe
MP - Lodgepole Pine Dwarf Mistletoe
P - Bark Disease (general)
R - Root Disease (general)
RA - Amarillaria Root Disease
RB - Black Stain Root Disease
RC - Laminated Root Rot, Cedar Strain
RL - Laminated Root Rot, not Cedar Strain
RN - Annosus Root Rot
RR - Rhizina Root Disease
RT - Tomentosus Root Rot
S - Stem Diseases (general)
SA - Atropellis Canker (Lodgepole Pine)
SB - White Pine Blister Rust
SC - Comandra Blister Rust
SG - Western Gall Rust
SN - Aspen Cankers (Cystopora Canker)
SN - Aspen Cankers (Hypoxlon Canker)
SN - Aspen Cankers (Cryptospheria Canker)
SN - Aspen Cankers (Target Canker)
SN - Aspen Cankers (Ceratocystis Canker)
SN - Aspen Cankers (Sooty Bark Canker Canker)
SS - Stalactiform Blister Rust
SX - Exploding Canker of Douglas-fir and Interior Spruces

Insects (general)
1 - Western Blackheaded Budworm
2 - Black Army Cutworm
3 - Douglas-fir Tussock Moth
4 - Forest Tent Caterpillar
5 - Gypsy Moth
6 - Greenstriped Forest Looper
7 - Larch Casebearer
8 - Larch Sawfly
9 - Western False Hemlock Looper
01 - Western Blackheaded Budworm
02 - Black Army Cutworm
03 - Douglas-fir Tussock Moth
04 - Forest Tent Caterpillar
05 - Gypsy Moth
06 - Greenstriped Forest Looper
07 - Larch Casebearer
08 - Larch Sawfly
09 - Western False Hemlock Looper
10 - Western Hemlock Looper
11 - Western Spruce Budworm
12 - Douglas-Fir Beetle
13 - Mountain Pine Beetle
14 - Spruce Beetle
15 - Balsam Wooly Aphid
16 - Cooley Spruce Gall Adelgid
17 - White Pine Weevil
A - Aphids (general)
AB - Balsam Wooly Adelgid
AC - Gian Conifer Aphid
AG - Colley Spruce Gall Adelgid
AS - Green Spruce Aphid
B - Bark Beetles (general)
BB - Western Balsam Bark Beetle
BD - Douglas-fir Beetle
BI - Engraver Beetle
BM - Mountain Pine Beetle

BP - Twig Beetle and Others
BS - Spruce Beetle
BT - Red Turpentine Beetle
BW - Western Pine Beetle
D - Defoliators (general)
DA - Black Army Cutworm
DC - Larch Casebearer
DD - Loper (Deciduous)
DE - Eastern Spruce Budworm
DF - Forest Tent Caterpillar
DG - Greenstriped Forest Looper
DH - Western Blackheaded Budworm
DM - Gypsy Moth
DN - Birch Leaf Miner
DP - Larch Sawfly
DR - Red Alder Sawfly
DS - Conifer Sawfly
DT - Douglas-fir Tussock Moth
DU - Satin Moth
DV - Variegated Cutworm
DW - Western Aspen Tortrix
DZ - Western False Hemlock Looper
M - Mite Damage (general)
S - Shoot Insects (general)
SB - Western Cedar Borer
SE - European Pine Shoot Moth
SG - Gouty Pitch Midge
SP - Pitch Nodule Moths
SQ - Sequoia Pitch Moth
SS - Western Pine Shoot Borer
W - Weevils (general)
WC - Steremnius Root Collar Weevil
WM - Magdalis Species
WP - Lodgepole Pine Terminal Weevil
WS - White Pine (Spruce) Weevil
WW - Warren's Root Collar Weevil
WY - Cylindrocopturus Weevil
WZ - Yosemit Bark Weevil

Non-Biological (abiotic) Injuries
B - Wildfire
D - Drought
F - Flooding
G - Frost (general)
GC - Frost Crack
GH - Frost Heaved
GK - Shoot/Bud Frost Kill
Hv - Hail
K - Fume Kill
L - Lightning
N - Road Salt
R - Redbelt
S - Slide
W - Windthrow
WS - Windthrow-soil failure
WT - Windthrow-treatment or harvest related
X - Scarring/rubbing
Y - Snow or Ice (including Snow Press)
Z - Sunscald

treatment Injuries (general)
C - Chemical
L - Logging
M - Mechanical
P - Planting
PM - Poor Planting Microsite
R - Pruning
T - Thinning or Spacing

Damage (cause Unknown)

A - Atypical Growth
B - Breakage (Dead or Broken Top)
C - Crown Symptoms (Chlorotic)
F - Fluted Butt
G - Galls
K - Fork or Pronounced Crook
L - Leaning
M - Multiple Leaders
R - Brooming
S - Basal Sweep

Problem Vegetation
H - Herbaceous Competition
P - Vegetation Press
S - Shrub Competition
T - Tree Competition

Use: Used in combination with attribute code and activity code to define the causative factor and extent of disturbance due to specific insects and diseases.

Linkage: Activity_cd

Format: Record type: History
Field: 11
Type: Character
Width: 2
Dec:
Position: 28: 29

Related Attribute: Attribute_cd, Activity_cd

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**Activity_Year_1**	
Alias:	**Activity_Year_1**	

Forestry Term:	Earliest Year of Activity
Description:	The first, or only year, in which the historical activity occurred.
Content:	2 character numeric code indicating earliest year
Default:	Blank
Permitted Values:	<blank> No recorded 01 to present year
Use:	Used to identify the year in which the historical activity within a specific layer of the stand started. Used in conjunction with Activity Year 2 to determine the time frame in which the historical activity occurred.
Linkage:	May form part of age range with Activity_year_2
Format:	Record Type: History Field Name: Field: 8 Type: Numeric Width: 2 Dec: Position: 22: 24
Related Attribute:	Activity_Cd
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**Activity_Year_2**	
Alias:	**Activity_Year_2**	

Forestry Term:	Last Year of Activity
Description:	The last year in which the historical activity occurred. A blank field indicates that the activity started and completed in the first year of activity (e.g. in Activity year 1).
Content:	2 character numeric code indicating the latest year of c
Default:	Blank
Permitted Values:	<blank> Not recorded 01 to present
Use:	Used to identify the year in which the historical activity within a specific layer of the stand was completed. Used in conjunction with Activity year 1 to determine the time frame in which the historical activity occurred.
Linkage:	May form part of age range with Act_Yr1.
Format:	Record type: History Field: 10 Type: Numeric Width: 2 Dec: Position: 26: 27
Related Attribute:	Activity_Year_1, Attribute_Cd

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Age_Class_Cd**		
Alias:	**Age_Class_Cd**		

Forestry Term: Age Class at Reference

Description: A code indicating the age class of the stand at the reference year. Age classes are intervals, or ranges, of ages into which trees, forests, stands, or forest types are divided into for classification and use.

Content: 1 character numeric code between indicating age class

Default: Must have value

Permitted Values:
0 Stand age 0
1 Stand age 1 to 20 years
2 Stand age 21 to 40 years
3 Stand age 41 to 60 years
4 Stand age 61 to 80 years
5 Stand age 81 to 100 years
6 Stand age 101 to 120 years
7 Stand age 121 to 140 years
8 Stand age 141 to 250 years
9 Stand age 251 + years

Use: Used with Projected Age Class to summarize age class movements following projection.

Linkage: May be calculated from Stand_Age; may be used to calculate Stand_Age (CC records). May be used to determine maturity in forest stands, i.e. Typid 1 and 2.

Format:
Record Type: Layer
Field Name:
Field: 39
Type: Numeric
Width: 1
Dec:
Position: 160:160

Related Attribute: Stand_age

References: Ministry of Forests, Resources Inventory Branch

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Age_Range_Maximum**	
Alias:	**Age_Range_Maximum**	

Forestry Term:	Maximum Age
Description:	The age of the oldest component of an uneven-aged stand at the reference year.
Content:	3 character numeric value holding age in years of oldest component of an uneven-aged stand
Default:	0 years
Permitted Values:	295 years
Use:	Used to identify uneven-aged stands and, if uneven-aged, to determine the maximum or oldest age of the trees in the layer.
Linkage:	Stand_age and Age_Class_Cd
Format:	Record type: Layer Field: 41 Type: Numeric Width: 3 Dec: 1 Position: 164: 166
Related Attribute:	Stand_Age

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Age_range_Minimum**	
Alias:	**Age_range_Minimum**	

Forestry Term:	Minimum Age
Description:	The age of the youngest component of an uneven-aged stand at the reference year.
Content:	3 character numeric value holding age in years of youngest component of an uneven-aged stand
Default:	0 years
Permitted Values:	25 years
Use:	Used to identify uneven-aged stands and, if uneven-aged, to determine the minimum or youngest age of the trees in the layer.
Linkage:	Stand_Age and Age_Class_Cd
Format:	Record type: Layer Field: 40 Type: Numeric Width: 3 Dec: Position: 161: 163
Related Attribute:	Stand_Age

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Agricultural_land_Reserve_Cd**	
Alias:	**Agricultural_Land_Reserve**	

Forestry Term:	Agricultural Land Reserv
Description:	The Agricultural Land Reserve designation (s) that fall within the forest cover polygon. Agricultural Land Reserves (ALR) are areas designated as having a high agricultural value. An ALR designation does not preclude the management of the land for forest production. These Reserves are defined under Sections 1 and 8 of the Agricultural Land Commission Act.
Content:	2 character numeric code indicating presence of ALR
Default:	01 Unreported
Permitted Values:	00 No Agricultural Land Reserve (No A.L.R.) 01 Unreported (out of Province) 88 Agricultural Land Reserve (A.L.R.)
Use:	Used to indicate the area of the polygon located within a Agricultural Land Reserve. Used to identify land with a high agricultural value.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 22 Type: Numeric Width: 2 Dec: Position: 66: 67
Related Attribute:	Result_Area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Air_Crown_Closure_Pct**		
Alias:	**Crown_Closure_Air**		

Forestry Term:	Crown Closure
Description:	The percentage crown closure in the stand as assessed from aerial photos. Crown closure is base on the amount of ground area covered by the green crowns (i.e. vertical projection).
Content:	3 character numeric value holding crown closure expressed
Default:	0 %
Permitted Values:	0 to 100
Use:	Used as an indirect measure of stand density in Growth Models. Growth models are used to calculate stand volumes and diameters.
Linkage:	Used to calculate crown_closure_class and in volume and diameter calculation
Format:	Record Type: Layer Field Name: Field: 49 Type: Numeric Width: 3 Dec: Position: 181:183
Related Attribute:	vol_per_ha_spp_1_pri_util_lvl to vol_per_ha_spp_6_util_lvl, mean_diameter_pri_util_lvl, mean_diameter_sec_util_lvl

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Aspect_cd**	
Alias:	**Azimuth**	

Forestry Term:	Aspect
Description:	The direction(s) towards which the slope of the land in the polygon faces. Aspect is a measure of the orientation or exposure of an area by means of compass points (e.g. 180 degrees - south).
Content:	Azimuth
Default:	Blank
Permitted Values:	<blank> 0 to 360
Use:	Used in conjunction with other attributes for trees species selection for reforestation.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 38 Type: Character Width: 3 Dec: Position: 108:110
Related Attribute:	Elevation, Slope, Result_Area
References:	Ministry of Forests, Resources Inventory Branch, FRGIS Selection
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Attack_Level**	
Alias:	**Infestation_Degree**	

Forestry Term:	Damage Severity
Description:	Quantitative description of damage severity induced through various biotic or abiotic agents such as insects, diseases, mammals or weather (damaging agents).
Content:	3 character numeric code
Default:	0
Permitted Values:	Note: Currently being address in consultation with Forest Health.
Use:	Not currently in use.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 53 Type: Numeric Width: 3 Dec: Position: 162:164
Related Attribute:	None

References:	None
Agency Responsible:	Ministry of Forests, Silviculture Branch, Forest Health

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**Attribute_cd**	
Alias:	**Attribute_cd**	

Forestry Term:	History Attribute Codes
Description:	A code describing the type of stand history described in this record. History types include the presence of some type of Disturbance, and broad based silvicultural activities such as site preparation, stand tending, and plantation.
Content:	2 character alpha code designating history Attribute
Default:	Blank
Permitted Values:	<blank> DI - Disturbance SI - Site Preparation ST - Stand tending PL - Plantation
Use:	Used in conjunction with the History Activity Code and History Activity Sub Code to describe the type of activity (e.g. fire, logging) which has taken place in a particular stand. This historical information is used to provide summaries of causes of disturbances and silvicultural activities. When undertaking summaries, care should be taken to check all layers in the stand.
Linkage:	Activity_cd, Activity_sub_cd
Format:	Record type: History Field: 6 Type: Character Width: 2 Dec: Position: 19: 20
Related Attribute:	Activity_Cd

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**BGC_Phase**	
Alias:	**BGC_Phase**	

Forestry Term:	Biogeoclimatic Phase
Description:	The Biogeoclimatic Phase(s) that fall within the polygon. A biogeoclimatic Phase is a code that accommodates the variation, resulting from local relief, in the regional climate of the biogeoclimatic subzones and variant.
Content:	1 character alpha code
Default:	Blank
Permitted Values:	p
Use:	Used to indicate the area of the polygon located within a Biogeoclimatic Phase. Used in stocking, tree species selection, and seed transfer guidelines.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 46 Type: Character Width: 1 Dec: Position: 140:140
Related Attribute:	BGC_Zone, BGC_Subzone, BGC_Variant, BGC_Blank, Result_Area
References:	Ministry of Forests, Research Branch
Agency Responsible:	Ministry of Forests, Research Branch, District/Region

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**BGC_Subzone**
Alias:	**BGC_Subzone**

Forestry Term:	Biogeoclimatic Subzone
Description:	The Biogeoclimatic Subzone(s) that fall within the forest cover polygon. A Biogeoclimatic Subzone is a subdivision of the Biogeoclimatic Zone. The subdivision is based on the floristic differences in the zonal ecosystem with sequences influenced primarily by regional climate.
Content:	2 character alpha code holding biogeoclimatic subzone
Default:	--
Permitted Values:	-- not assigned; dx
Use:	Used to indicate the area of the polygon that falls within a biogeoclimatic subzone. Used in: stocking, tree species selection, and se transfer guidelines, area and volume summaries, biodiversity studies, old growth studies, and statistical reports.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 44 Type: Character Width: 2 Dec: Position: 137:138
Related Attribute:	BGC_Zone, BGC_Variant, BGC_Phase, BGC_Blank, Result_Area

References:	Ministry of Forests, Research Branch
Agency Responsible:	Ministry of Forests, Research Branch, District/Region

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**BGC_Variant**	
Alias:	**BGC_Variant**	

Forestry Term:	Biogeoclimatic Variant
Description:	The Biogeoclimatic Variant(s) that fall within the forest cover polygon. A Biogeoclimatic Variant is a division of the Biogeoclimatic Zone and Subzone. The division reflects the differences in species cover and vigour of the plant species.
Content:	1 character numeric code holding biogeoclimatic variant
Default:	-
Permitted Values:	- not assigned; 1 to 5
Use:	Used to indicate the area of the polygon that falls within a biogeoclimatic subzone. Used in: stocking, tree species selection, and se transfer guidelines, area and volume summaries, biodiversity studies, old growth studies, and statistical reports.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 45 Type: Character Width: 1 Dec: Position: 139:139
Related Attribute:	BGC_Zone, BGC_Subzone, BGC_Phase, BGC_Blank, Result_Area

References:	Ministry of Forests, Research Branch Ecology Section
Agency Responsible:	Ministry of Forests, Branch/Region

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**BGC_Zone**	
Alias:	**BGC_Zone**	

Forestry Term:	Biogeoclimatic Zone
Description:	The Biogeoclimatic Zone(s) that fall within the forest cover polygon. A Biogeoclimatic Zone is a geographic area with a broad homogeneous macroclimate that influences the development of vegetation and soil.
Content:	4 character alpha code holding biogeoclimatic zone
Default:	Z999
Permitted Values:	IDF- ESSF
Use:	Used to indicate the area of the polygon located within a biogeoclimatic zone. Used in Free to Grow Assessments.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 43 Type: Character Width: 4 Dec: Position: 133:136
Related Attribute:	BGC_Subzone, BGC_Variant, BGC_Phase, BGC_Blank, Result_Area
References:	Ministry of Forests, Research Branch Ecology Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Blank1**	
Alias:	**Blank1**	

Forestry Term:	N/A
Description:	This field is blank.
Content:	Blank
Default:	blank
Permitted Values:	<blank>
Use:	May be utilized as a user defined field.
Linkage:	None
Format:	Record type: Layer Field: 3 Type: Character Width: 1 Dec: Position: 23: 23
Related Attribute:	None

References:	None
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model ☐
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Polygon	
Attribute:	**Card_source_cd**	
Alias:	**Card_source**	

Forestry Term:	Forest Cover data Entry
Description:	Code describing the input source of the forest cover information. The original source of the data impacts data resolution/accuracy.
Content:	2 character alpha code indicating data input source.
Default:	Must have value
Permitted Values:	CC Direct label Entry. Mylar Conversion (class data) CF Detailed Forest Cover Entry -)Original FS810 Form) CD Detailed Forest Cover Entry - (Later FS810 Form) FA Detailed Forest Cover Entry - (FS810A Form)
Use:	Defines the resolution /accuracy of the data
Linkage:	Affects resolution/accuracy of height, age and site and consequently affects volume, MAI, etc.
Format:	Record Type: Polygon Field Name: Field: 10 Type: Character Width: 2 Dec: Position: 40: 41
Related Attribute:	Stand_age, Stand_height, Stocking_class_source_cd
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**Coast_Interior_CD**		
Alias:	**IC_IND**		

Forestry Term:	Coast/Interior Code
Description:	A code indicating that the stand is located in the coast or interior region of the Province. The coast region is defined as the mainland west of the Cascade and coast mountains, including the off-shore islands. Forest Inventory Zones (FIZ) A to C are included in the Coast region. The interior reign is defined as the mainland east of the Cascade and coast mountains. Forest Inventory Zones (FIZ) D to L are included in the Interior Region
Content:	1 character alpha code designating coast or interior
Default:	must have value
Permitted Values:	I Interior (FIZ D, E, F, G, H, I , J, K and L) C Coast (FIZ A, B, C)
Use:	The coast or interior classification is used in determining stand volumes and utilization levels.
Linkage:	Used in calculation of site_index_estimated and stand_height, projected_height. Linked to pri_util_lvl_cd and sec_util_lvl_cd. Linked indirectly to calculation of volumes and diameters.
Format:	Record Type: Polygon Field Name: Field: 13 Type: Character Width: 1 Dec: Position: 54: 54
Related Attribute:	pri_util_lvl_cd, sec_util_lvl_cd, special_cruise_number, special_cruise_number_code, vol_per_ha_spp_1_priv_util_lvl to vol_per_ha_spp_6_sec_util_lvl, mean_diameter_pri_util_lvl, mean_diameter_sec_util_lvl, site_index_estimated_source_cd, site_index, Fiz_code
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Glossary of Terms
Agency Responsible:	Ministry of Forests, Resource Inventory Branch/District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Resultant		
Attribute:	**Compartment_Letter**		
Alias:	**Compartment_Letter**		

Forestry Term:	Inventory Compartment
Description:	The compartment letter (s) that fall within the forest cover polygon. Compartment letter is a geographic subdivision of an inventory compartment. Compartment letter only applies to some inventory compartments (e.g. only in inventory regions 1, 3, 5, 6, 7, 9, 10, 11, 56). Compartment Letter is also part of the reference key for identifying the geographic location of all inventory compartment and inventory region form the key to identifying inventory samples.
Content:	1 character alpha code holding compartment letter
Default:	Blank
Permitted Values:	<blank> No compartment Letter A B, etc
Use:	Used to indicate the area of the polygon that is located within a compartment letter. Used in conjunction with inventory region to assign FIZ zones. Also used for defining area boundaries for area and volume summaries.
Linkage:	None
Format:	Record type: Resultant Field: 15 Type: Character Width: 1 Dec: Position: 47: 47
Related Attribute:	Inventory_Region, Compartment, Result_Area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Resultant		
Attribute:	**Compartment**		
Alias:	**Compartment**		

Forestry Term:	Inventory Compartment
Description:	The inventory compartment (s) that fall within the forest cover polygon. Inventory compartments are a geographic subdivision of an inventory region, usually defining a watershed or part thereof. Inventory compartment is also part of the reference key for identifying the geographic location of all inventory branch samples. Inventory compartment, along with compartment letter and inventory region form the key to identifying inventory samples.
Content:	A 3 digit numeric code between 1 and 206 with 999 being used for areas outside the Province.
Default:	999 designates areas outside of the Province
Permitted Values:	1 to 206 999 defines areas outside the Province.
Use:	Used to indicate the area of the polygon that is located within an inventory compartment. Used in conjunction with inventory region to assign Fiz zones. Also used for defining area boundaries for area and volume summaries.
Linkage:	Used with Inventory_Region to derive Fiz_code.
Format:	Record type: Resultant Field: 14 Type: Numeric Width: 3 Dec: Position: 44: 46
Related Attribute:	Inventory_Region, Fiz_code, Result_area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**Crown_Closure_Class**
Alias:	**Crown_Closure_Class**

Forestry Term:	Crown_Closure_Class
Description:	A code indicating the crown closure class of the stand. Crown closure classes are intervals, or ranges, of crown closures into which stands or forest types are divided into for classification and use.
Content:	2 character numeric code designating crown closure class
Default:	0
Permitted Values:	0 0 - 5 % crown closure 1 6 - 15 % crown closure 2 16 - 25 % crown closure 3 26 - 35 % crown closure 4 36 - 45 % crown closure 5 46 - 55 % crown closure 6 56 - 65 % crown closure 7 66 - 75 % crown closure 8 76 - 85 % crown closure 9 86 - 95 % crown closure 10 96 - 100 % crown closure
Use:	Used in the application of Growth Models to adjust volume based stand density. Also used for the estimation of understory productivity.
Linkage:	Calculated using crown_closure_air. Used as an index to a table lookup for stocking_class_cd.
Format:	Record Type: Layer Field Name: Field: 68 Type: Numeric Width: 2 Dec: Position: 225:226
Related Attribute:	air_crown_closure_pct

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Culmination_Mai_Pri_Lvl**		
Alias:	**Culmination_Mai_Pri_Lvl**		

Forestry Term:	Culmination Mean Annu
Description:	The maximum annual increment in stand volume at the primary utilization level. Culmination MAI is determined net decay only and only for TYPID's 1, 2, 3 ,4, 5 and 9.
Content:	4 character numeric value holding culmination MAI
Default:	0.0
Permitted Values:	8.2 m3/yr/ha
Use:	Used to determine rotation age and long run sustained yield (LRSY)
Linkage:	Calculated using site_index, culmination age and coefficients based on inventory_type_group_source_cd, fiz_code and pri_util_lvl_cd
Format:	Record Type: Layer Field Name: Field: 70 Type: Numeric Width: 4 Dec: 1 Position: 228:231
Related Attribute:	coast_interior_cd, tree_species_cd_1, tree_species_cd_2, site_index
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Culmination_Mai_Sec_Lvl**		
Alias:	**Culmination_Mai_Sec_Lvl**		

Forestry Term:	Culmination Mean Annu
Description:	The maximum annual increment in stand volume at the secondary utilization level. Culmination MAI is determined net decay only and only for TYPID's 1, 2, 3 ,4, 5 and 9.
Content:	4 character numeric value holding culmination MAI
Default:	0.0
Permitted Values:	7.9 m3/yr/ha
Use:	Used to determine rotation age and long run sustained yield (LRSY)
Linkage:	Calculated using site_index, culmination age and coefficients based on inventory_type_group_source_cd, fiz_code and pri_util_lvl_cd
Format:	Record Type: Layer Field Name: Field: 71 Type: Numeric Width: 4 Dec: 1 Position: 232:235
Related Attribute:	coast_interior_cd, tree_species_cd_1, tree_species_cd_2, site_index
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Data_Srce_Class_Cd**		
Alias:	**Data_Srce_Class_Cd**		

Forestry Term: Data Source Class Code

Description: A layer identifying the method of data collection for this layer (e.g. Air Photo Interpretation, Air Calls, Valuation Cruise Plot, etc.)

Content: 2 character numeric code designating method of data

Default: Must have value

Permitted Values:
0 - Photo interpretation
1 - Air call (air observation without 70 mm photography)
2 - Classification from low-level fixed base, 70mm photography
3 - Phase 1 photo sample
4 - Ground call, 1 points
5 - Standard fixed-radius sample (pre 1979), productivity sample
6 - Phase 2 or phase 3 sample
7 - Silvicultural Surveys - stocking, survival, free-growing, pre-stand tending.
8 - Ground observation with measurement
9 - Research plot (s)
10 - Silviculutre treatment record - a record that summarizes the modified stand structure following an activity or treatment such as planting, juvenile spacing, brushing and weeding, conifer release, seed tree control, sanitation spacing, rehabilitation or commercial thinning.

12 - Disturbance - an area recently disturbed by fire, logging, wind throw or insects, that is classified as NSR, and that has no source of information, other than the type and year of the disturbance.

13 - Managed stand sample
14 - Ground call, 2 or more points
15 - Ground traversed boundary requiring photo confirmation
71 - Silviculture Surveys - Free Growing
72 - Silviculture Surveys - Conditional Free Growing
73 - Silviculture Surveys - Not Free Growing
74 - Silviculture Surveys - Pre-Stand Tending

Use: Identifies the sampling methods used to collect the layer information. The sampling method used, impacts the accuracy (e.g. confidence interval) and hence the reliability of the data.

Linkage: Linked to all stand attributes

Format:
Record Type: Layer
Field Name:
Field: 7
Type: Numeric
Width: 2
Dec:
Position: 21: 22

Related Attribute: Data_src_orgn_cd

References: Ministry of Forests. Resources Inventory Branch. Inventory Manual. Forest Classification

Agency Responsible: Ministry of Forests. Resource Inventory. District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Data_Srce_Orign_Cd**	
Alias:	**Data_Srce_Orign_Cd**	

Forestry Term:	Data Source Origin
Description:	A code describing the source of the polygon attributes and label, including species, age, and height. For example, the data source may be from an adjacent polygon with a similar stand history, or from an artificial type boundary such as a road or power line.
Content:	1 character numeric code indicating the data source
Default:	Must have value
Permitted Values:	0 - No qualification necessary (data source occurs within forest cover type) 1 - Artificial type boundary; neat line, double-line power line, road, etc, administration boundary 2 - Adjacent but disconnected forest cover type with a similar history of stand development 3 - Adjacent type islands sharing a common boundary with a similar history of common stand development 4 - Data source was destroyed by a disturbance both still applies to the undisturbed portion of the original type.
Use:	Implies reliability of the polygon label.
Linkage:	None
Format:	Record Type: Layer Field Name: Field: 9 Type: Numeric Width: 1 Dec: Position: 24: 24
Related Attribute:	Data_srce_class_cd

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Dbh_limit_cd**		
Alias:	**Minimum_dbh**		

Forestry Term: Dbh_limit

Description: A code indicating the minimum diameter breast height (dbh) for measuring trees (i.e. stems) in the field sample. For example, a code 3 indicates that stems were measured if they have a dbh greater than or equal to 7.5 cm.

Content: 1 character numeric code reflecting the minimum diameter

Default: 0

Permitted Values:
1 - less than or equal to 0.0 cm diameter breast height
2 - Greater than or equal to 0.0 cm diameter breast height but less than 7.5 cm dbh
3 - All stems greater than or equal to 7.5 cm diameter breast height
4 - All stems greater than or equal to 12.5 cm diameter breast height
5 - All stems greater than or equal to 17.5 cm diameter breast height
6 - All stems greater than or equal to 22.5 cm diameter breast height
7 - All stems greater than or equal to 27.5 cm diameter breast height

Use: Indicates diameter limits used in the sample established within the stand

Linkage: None.

Format:
Record Type: Layer
Field Name:
Field: 69
Type: Numeric
Width: 1
Dec:
Position: 227:227

Related Attribute: Data_srce_class_cd, Stems_per_hectare

References: Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section.

Agency Responsible: Ministry of Forests, Resource Inventory Branch, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Development_Plan**	
Alias:	**Development_Plan**	

Forestry Term:	Development Plan
Description:	The file reference of the development plan for the area within the polygon. Not currently in use.
Content:	2 character numeric code
Default:	0
Permitted Values:	
Use:	Not in use
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 49 Type: Numeric Width: 2 Dec: Position: 152:153
Related Attribute:	None

References:	None
Agency Responsible:	None

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Disturbance_Cd**	
Alias:	**Disturbance_Type**	

Forestry Term:	Disturb
Description:	Type of disturbance agent which follows Forest Health damage incidence codes.
Content:	3 character alpha code
Default:	Blank (subject to revision)
Permitted Values:	
Use:	Not in use
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 54 Type: Character Width: 3 Dec: Position: 165:167
Related Attribute:	None

References:	None
Agency Responsible:	Ministry of Forests, Silviculture Branch, Forest Health

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**Disturbance_Percentage_Cd**	
Alias:	**Degree_of_Disturbance**	

Forestry Term:	Partial Disturbance Perc
Description:	A code describing the percentage of area in a stand layer that has been disturbed. The code is only used when the disturbance is between 1 and 99 percent.
Content:	1 character numeric code indicating percent of disturbance
Default:	Blank
Permitted Values:	<blank> 1 to 9 Percent disturbance 1 = 1 - 15 % 2 = 16-25 % 3 = 26-35 % 4 = 36-45%, etc
Use:	May be used to reduce stand volumes.
Linkage:	None
Format:	Record type: History Field: 13 Type: Character Width: 1 Dec: Position: 31: 31
Related Attribute:	Attribute_Cd, Activity_Cd

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Edatorpic_Moist_Cd**	
Alias:	**BGC_Blank**	

Forestry Term:	Edatopic Code
Description:	The Edatopic code(s) that fall within the polygon. An Edatopic code gives the Edatopic Grid Location of the soil in the polygon. The Edatopic Grid is based on soil moisture and nutrient regimes.
Content:	9 character alpha code
Default:	Blank
Permitted Values:	
Use:	Used to indicate the area of the polygon located within an Edatopic Code. Used in stocking, tree species selection, and seed transfer guidelines.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 47 Type: Character Width: 9 Dec: Position: 141:149
Related Attribute:	BGC_Zone, BGC_Subzone, BGC_Variant, BGC_Phase, Result_area
References:	Ministry of Forests, Research Branch Ecology Section
Agency Responsible:	Ministry of Forests, Research Branch/Region

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Edatopic_Nutrnt_cd**	
Alias:	**BGC_Blank**	

Forestry Term:	Edatopic Code
Description:	The Edatopic code(s) that fall within the polygon. An Edatopic code gives the Edatopic Grid Location of the soil in the polygon. The Edatopic Grid is based on soil moisture and nutrient regimes.
Content:	9 character alpha code
Default:	Blank
Permitted Values:	
Use:	Used to indicate the area of the polygon located within an Edatopic Code. Used in stocking, tree species selection, and seed transfer guidelines.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 47 Type: Character Width: 9 Dec: Position: 141:149
Related Attribute:	BGC_Zone, BGC_Subzone, BGC_Variant, BGC_Phase, Result_area
References:	Ministry of Forests, Research Branch Ecology Section
Agency Responsible:	Ministry of Forests, Research Branch/Region

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Elevation**	
Alias:	**Elevation**	

Forestry Term:	Elevation
Description:	The elevation(s), relative to the mean sea level, of the land contained within the polygon.
Content:	Elevation in metres
Default:	<blank>
Permitted Values:	<blank> -500 to 4100
Use:	Used in conjunction with other attributes for such things as slope calculations and tree species selection for reforestation.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 36 Type: Numeric Width: 4 Dec: Position: 101:104
Related Attribute:	Slope, Aspect_cd, Result_Area
References:	Ministry of Forests, Resources Inventory Branch, FRGIS Selection
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Polygon
Attribute:	**ESA_Category1_Cd**
Alias:	**Environment_Sensitive_Area_1**

Forestry Term:	Environmentally Sensitiv
Description:	Code indicating that this forest cover polygon has a HIGH environmental sensitivity and is not normally available for sustained timber production. Polygons assigned a HIGH ESA class are either very environmentally sensitive, or are deemed valuable for other resources such as recreation, wildlife, etc. Up to 3 categories of High sensitivity are allowed.
Content:	3 character alpha code holding ESA category
Default:	Blank
Permitted Values:	If designated 1 is not noted, it is implied

Soil	S SA SAH SAP SAR SAW SP SPH SPR SPW SH SHR SHW SR SRW SW
Snow Avalanche	A AP APH APW AH AHR AHW AR ARW AW
Forest Regeneration	P PH PHR PHW PR PRW PW
Water	H HR HRW HW
Recreation	R RW
Wildlife	W

Use:	Used to identify areas of high environmental sensitivity. ESA's are used extensively in determining the Contributing Land Base for Timber Supply Analyses.
Linkage:	Linked to ESA_Wildlife_cd
Format:	Record Type: Polygon Field Name: Field: 7 Type: Character Width: 2 Dec: Position: 31: 33
Related Attribute:	Esa_Category2_Cd, ESA_Wildlife_Cd
References:	Ministry of Forests, Resources Inventory Branch. Inventory Manual. Environmentally Sensitive Areas
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Polygon
Attribute:	**ESA_Category2_Cd**
Alias:	**Environment_Sensitive_Area_2**

Forestry Term: Environmentally Sensitiv

Description: Code indicating that this forest cover polygon has a MODERATE environmental sensitivity and is not normally available for sustained timber production. Polygons assigned a MODERATE ESA class are either moderately environmentally sensitive, or are deemed sensitive for other resources such as recreation, wildlife, etc. Up to 3 categories of High sensitivity are allowed.

Content: 3 character alpha holding ESA category

Default: Blank

Permitted Values:

Soil	S SA SAH SAP SAR SAW SP SPH SPR SPW SH SHR SHW SR SRW SW
Snow Avalanche	A AP APH APW AH AHR AHW AR ARW AW
Forest Regeneration	P PH PHR PHW PR PRW PW
Water	H HR HRW HW
Recreation	R RW
Wildlife	W

Use: Used to identify areas of high environmental sensitivity. ESA's are used extensively in determining the Contributing Land Base for Timber Supply Analyses.

Linkage: Linked to ESA_Wildlife_cd

Format:
Record Type: Polygon
Field Name:
Field: 8
Type: Character
Width: 3
Dec:
Position: 34: 36

Related Attribute: Esa_Category1_Cd, ESA_Wildlife_Cd

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Environmentally Sensitive Areas

Agency Responsible: Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Polygon
Attribute:	**ESA_Wildlife_Cd**
Alias:	**Environmental_Sensitive _Wildlife**
Forestry Term:	ESA Wildlife Species Co
Description:	Code describing the wildlife species, family or presence of endangered or threatened species. This code is tied to the ESA Category Codes and is only relevant when the forest cover polygon is assigned a Wildlife, "W", related sensitivity. Up to 3 families, genera, species or presence of endangered or threatened species are allowed.
Content:	3 character alpha code designating the wildlife species
Default:	Blank
Permitted Values:	B - Bear C - Caribou D - Deer E - Elk F - Fish G - Goat M - Moose O - Birds S - Sheep T - Endangered or threatened species
Use:	Used in special summaries designed to further classify the ESA wildlife designation.
Linkage:	Linked to the ESA_Category1_Cd and ESA_Category2_CD designations.
Format:	Record Type: Polygon Field Name: Field: 9 Type: Character Width: 3 Dec: Position: 37: 39
Related Attribute:	Esa_Category1_Cd, Esa_Category2_Cd
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Environmentally Sensitive Areas
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Fish_area**	
Alias:	**Fish_area**	

Forestry Term:	Fisheries Area
Description:	The area in the polygon that is removed from the productive forest land base because it is used to protect fish habitat. This area is usually a buffer area along waterways.
Content:	4 character numeric code holding fisheries area (ha) hectare
Default:	0.0
Permitted Values:	19.5 ha
Use:	Used to remove (subtract) area from the contributing land base that is allocated to protecting fish habitats. This land is not available for timber harvesting.
Linkage:	None
Format:	Record Type: Resultant Field Name: Field: 20 Type: Numeric Width: 5 Dec: 1 Position: 60: 64
Related Attribute:	Result_area
References:	Ministry of Forest, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Resultant		
Attribute:	**Fiz_code**		
Alias:	**Fiz_code**		

Forestry Term:	Forest Inventory Zone
Description:	The Forest Inventory Zones(s) (FIZ) that fall within the forest cover polygon. FIZ zones were developed to provide a broadly based ecological classification of the forest land in British Columbia. FIZ zones closely follow the early Biogeoclimatic zones developed by Dr. Krajina. The province of BC is split into 12 FIZ zones.
Content:	1 character alpha code holding FIZ (A to L)
Default:	Must have value
Permitted Values:	A to L
Use:	Used to indicate the area of the polygon located within a FIZ zone. Used in conjunction with Public Sustained Yield Unit to assign stand volumes.
Linkage:	FIZ_code is assigned using a table lookup based on inventory_region, compartment. Fiz_code is used as index to coefficients for calculating all volumes, diameters, MAI's and basal areas.
Format:	Record type: Resultant Field: 12 Type: Character Width: 1 Dec: Position: 41: 41
Related Attribute:	Coast_interior_cd, Inventory_region, Compartment, Result_area
References:	Ministry of Forest, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**For_Cover_Layer_Cd**
Alias:	**For_Cover_Layer_Cd**

Forestry Term:	Stand Layer
Description:	A code that uniquely identifies each layer, or horizontal stratum, in a stand. Each layer is normally characterized as a distinct canopy containing a common forest cover structure with timber of similar ages and heights. Layers are assigned from the tallest layer downward. Veteran or Silviculture layers are the exception, and are assigned a separate layer code. In order for a stand to be classified as multi-layered, there must be two or more distinct canopies. Stands without distinctly different canopies are classified as having a single layer, this can include all aged stands.
Content:	1 character alpha code designating layer
Default:	Must have value
Permitted Values:	1 Layer 1 2 Layer 2 3 Layer 3 S Silviculture V Veteran
Use:	Use layer code is used to identify the position and type of layers comprising a stand.
Linkage:	The rank assigned to the layer indicates its importance.
Format:	Record type: Layer Field: 5 Type: Character Width: 1 Dec: Position: 15: 15
Related Attribute:	For_Cover_Rank_cd, History_Layer

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**For_Cover_Rank_Cd**		
Alias:	**For_Cover_Rank_Cd**		

Forestry Term:	Rank or Importance of L
Description:	A code indicating the importance of each layer in the stand. Each layer in a multi-layered stand is assigned a rank code indicating the relative importance of that layer. The layer assigned Rank 1 in multi-layer stands is the most important layer. Volumes are calculated for Rank 1 stands only. Rank assignment is based on Regional guidelines.
Content:	1 character numeric value indicating the importance of the layer
Default:	Blank
Permitted Values:	1 Rank 1, most important layer 2 Rank 2, second most important layer 3 Rank 3, third most important layer
Use:	Defines the importance of the layer. Only Rank 1 layers are used when summarizing the land base for Timber Supply Analyses
Linkage:	Allowable Layer values are rank related; Volumes are only calculated for Rank 1 stands.
Format:	Record type: Layer Field: 4 Type: Character Width: 1 Dec: Position: 14: 14
Related Attribute:	For_Cover_Layer_Cd

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	History, Layer, Polygon, Resultant		
Attribute:	**Forest_Cover_Polygon_ID**		
Alias:	**Forest_Cover_Polygon_ID**		

Forestry Term:	Forest Cover Polygon N
Description:	A unique identification number assigned to each forest cover type. Each forest cover type is assigned a polygon number between 1 and 2999.
Content:	4 character numeric value holding forest cover polygon number
Default:	Must have value
Permitted Values:	Numeric value between 1 and 2999
Use:	Identifies the polygon for which the information in this record type refers to.
Linkage:	Allows cross-referencing of the same forest cover polygon among Polygon, Layer, History and Resultant records
Format:	Record Type: History, Layer, Polygon, Resultant Field Name: Field: 3 Type: Numeric Width: 4 Dec: Position: 10: 13
Related Attribute:	Mapsheet_id, Record_type_cd, Opening_number
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Forest_District**	
Alias:	**Forest_District**	

Forestry Term:	Forest District
Description:	The Forest District(s) that fall within the forest cover polygon. The forest District is an administrative unit within a Forest Region. The boundary defines the area administered by the local District Office. Codes are no unique; as a result, they must be used in conjunction with the Forest Region code.
Content:	1 character alpha code designating the District within the respective Forest Region. Codes are not.
Default:	z - Areas of non-ineres such as National Parks
Permitted Values:	Z - Areas of no-interest A - Chilliwack Forest Region 31 A - Lakes Forest Region 32
Use:	Used to indicate the area of the polygon that is located within a Forest District. Used to determine area under administration of a local District Office within a particular Forest Region.
Linkage:	None.
Format:	Record Type: Resultant Field Name: Field: 21 Type: Character Width: 3 Dec: Position: 65: 65
Related Attribute:	Forest_Region, Result_area

References:	Ministry of Forest, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Version	
Attribute:	**Graphics_Date**	
Alias:	**Graphics_Date**	

Forestry Term:	Graphics Creation Date
Description:	The date the resultant information contained in the graphics Design File was created.
Content:	11 character alpha code holding year, month, and day
Default:	Must have value
Permitted Values:	19991-Dec-25
Use:	Provides information on the creation date of the Graphics Design File
Linkage:	None
Format:	Record type: Version Field: 3 Type: Character Width: 11 Dec: Position: 10: 20
Related Attribute:	None

References:	Ministry of Forest, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	*Forest_Inventory_Planning*
Subtype:	Version
Attribute:	**Graphics_Version**
Alias:	**Graphics_Version**

Forestry Term:	Graphics Version Numb
Description:	The version number of the mapsheet. Must correspond with the version number found on Level 2 of the corresponding Graphic Design File
Content:	3 character numeric code holding version number
Default:	Must have value
Permitted Values:	004 - Version 4
Use:	Forest cover and geographic information are collected and stored at different intervals. Version numbers are used to check that the two information sets correspond to each other (i.e., derived jointly)
Linkage:	None
Format:	Record type: Version Field: 4 Type: Character Width: 3 Dec: Position: 21: 23
Related Attribute:	None

References:	Ministry of Forest, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Grid_Area**	
Alias:	**Grid_Area**	

Forestry Term:	UTM Grid Area
Description:	The area of the UTM Grid Number that falls within the Neat Lines of the mapsheet.
Content:	5 character numeric value holding UTM grid area
Default:	Must have value, the maximum value is 40
Permitted Values:	400.0 ha 276.1 ha - UTM grid falls across neat line (s)
Use:	Used to balance map areas and in UTM grid based summaries.
Linkage:	Polygon_Area
Format:	Record type: Resultant Field: 9 Type: Numeric Width: 5 Dec: 1 Position: 29: 33
Related Attribute:	Grid_No, Mapsheet_Id, Result_Area

References:	Ministry of Forests, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Grid_No**	
Alias:	**Grid_No**	

Forestry Term:	UTM Grid Number
Description:	The numeric code of the UTM Grid or grids that lies within the forest cover polygon. UTM Grids are 2000m by 2000m square grids found on the mapsheet. The Grid Number is defined by the first 3 numbers of the easting, and first 4 numbers on the northing of the south west corner of the grid. Grid origin is on even 2000 metre UTM positions. For example, a value of 5266048 implies that the easting has a value of 526 and a northing of 6048
Content:	7 character numeric code designating UTM grid position
Default:	Must have value
Permitted Values:	5265048
Use:	Used to indicate the area of the polygon that is located within a UTM Grid. The UTM Grids allow the user to define areas of interest where a "low resolution" boundary is acceptable for area, volume, and other summaries.
Linkage:	None
Format:	Record type: Resultant Field: 8 Type: Numeric Width: 7 Dec: Position: 22: 28
Related Attribute:	Grid_Area, Mapsheet_Id, Result_Area
References:	Ministry of Forests, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model: FIP Database VRI Data Model

Subject Area: FIP

Entity Type: Forest_Inventory_Planning

Subtype: Layer

Attribute: Growth_Type_Group_Letter

Alias: Growth_Type_Group_Letter

Forestry Term: Growth Type Group

Description: A code designating the species composition (i.e. growth type) of the stand. The growth type is a grouping/summary of inventory type group values. The 42 inventory type groups are grouped into 17 growth types which area assigns a code from A to Q

Content: 1 character alpha code between A to Q

Default: Blank

Permitted Values:

Letter Code	ITG Code	Description
A	1	Fd
	8	Fd Deciduous
B	2	FdCw and FdYc
	3	FdH
	4	FdS
C	5	FdPl
	6	FdPy
	32	Py
D	7	FdL
	27	Pw
	33	LFd
	34	L
E	9	Cw or Yc
	10	CwFd, CwL, CwPy, CwPw, CwPl, Cw Decid
	11	CwH
F	12	H
	17	H Decid
G	13	HFd, HL, Hpy, HPw, HPl
	14	HCw
	15	HB
	16	HS
H	18	B
	19	BH
	20	BS, BFd, BPw, BPl, BL, Bpy, B Decid
I	21	S
J	22	SFd, SL, SPw, Spy
	23	SH, SCw, Syc
	24	SB
K	25	SPl
	26	Sdecid
L	28	Sdecid
M	29	Pl or Pa
	30	PlS, PlB, PlL, PlPw
N	31	Pl Decid
O	37	D Conif
	41	At Conif
P	38	Dr Decid
	39	Mb
	40	E
Q	35	AcConif
	36	AcDecid

Use: Most applications use inventory type group as an indicator of species composition. Growth Type Group, however will provide smaller tables than inventory type group in area and volume summaries. Growth type group should

be used when fewer species composition groupings are sufficient and/or required.

Linkage: Based on a table lookup using Tree_species_cd_1 and optionally tree_species_cd_2

Format:
Record type: Layer
Field: 67
Type: Character
Width: 1
Dec:
Position: 224: 224

Related Attribute: Tree_species_cd_1, Tree_species_cd_2

References: Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model: FIP Database VRI Data Model
Subject Area: FIP
Entity Type: Forest_Inventory_Planning
Subtype: Resultant

Attribute: Hay_Cutting_No
Alias: Hay_Cutting_No

Forestry Term: Hay cutting number

Description: No longer in use by Range.

Content: N/A

Default: Blank

Permitted Values:

Use: No longer used.

Linkage: None

Format:
Record type: Resultant
Field: 39
Type: Numeric
Width: 4
Dec:
Position: 111: 114

Related Attribute: None

References: None

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Height_Class_Cd**	
Alias:	**Height_Class_Cd**	

Forestry Term:	Height Class at Referen
Description:	A code indicating the height class of the stand at the reference year. Height classes represent intervals into which the range of tree or stand heights are subdivided for classification and use
Content:	1 character numeric value between 0 to 8 indicating height
Default:	Must have value
Permitted Values:	0 0.0 m 1 0.1 - 10.4 m 2 10.5 - 19.4 m 3 19.5 - 28.4 m 4 28.5 - 37.4 m 5 37.5 - 46.4 m 6 46.5 - 55.4 m 7 55.5 - 64.4 m 8 64.5+ m
Use:	Used to determine height class changes due to projection.
Linkage:	May be calculated using Stand_Height; may be used to calculate Stand_height.
Format:	Record type: Layer Field: 45 Type: Numeric Width: 1 Dec: Position: 174: 174
Related Attribute:	Stand_Height

References:	Ministry of Forest, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Hist_Class_Site_Cd**		
Alias:	**Hist_Class_S**		

Forestry Term:	Historical Site Class
Description:	A code for the site class (e.g. stand productivity) at the time of classification. This is a derived field based on the height and age of the leading species. Retained for historical purposes only.
Content:	1 character alpha code indicating historic site class
Default:	Blank
Permitted Values:	<blank> No site class G - Good Site M - Medium Site P - Poor Site L - Low Site
Use:	Used to determine the site class value of the stand at the time of classification
Linkage:	Historically used in calculation of Site_index
Format:	Record type: Layer Field: 47 Type: Character Width: 1 Dec: Position: 179: 179
Related Attribute:	Hist_Class_Special_Site_Cd, Site_Index, Site_Index_Estimated, Site_Class_5m
References:	Ministry of Forest, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Hist_Class_Special_Site_Cd**		
Alias:	**Hist_Class_SS**		

Forestry Term:	Historical Special Site Cl
Description:	A code indicating that the old site class of the stand, based on stand age and height, does not reflect the productive capacity of the land due to masking by external agents or to a high degree of variability between heights and ages. This special site classification is based on an assessment of physical and biological factors. Used for historical purposes only.
Content:	1 character alpha code indicating special site class
Default:	Blank
Permitted Values:	<blank> G - Good M - Medium P - Poor L - Low
Use:	Used in Timber Supply Analyses and Local Resource Use Plans (LRUPs) to determine Long Run Sustained Yield (LRSY).
Linkage:	Historically used in calculation of Site_index
Format:	Record type: Layer Field: 48 Type: Character Width: 1 Dec: Position: 180: 180
Related Attribute:	Hist_Class_Site_Cd, Site_Index, Site_Index_Estimate, Site_Class_5m

References:	Ministry of Forest, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**History_Cnt**		
Alias:	**History_Cnt**		

Forestry Term:	Number of History Recor
Description:	The number of History records that are stored in the FIP file for the particular polygon being described. Indicates that events in the stand's history have been recorded.
Content:	2 character numeric value indicating the number of History records per polygon.
Default:	Must have value, may be 0
Permitted Values:	0 to 99
Use:	Used to ensure that users accessing FIP file information process the correct number of history records for the stand.
Linkage:	Links to History records
Format:	Record type: Polygon Field: 21 Type: Numeric Width: 2 Dec: Position: 75: 76
Related Attribute:	Record_Type_Cd

References:	Ministry of Forests, Resources Inventory Branch FRGIS Section
Agency Responsible:	Ministry of Forests, Silviculture, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**History_Layer**	
Alias:	**For_Cover_Layer_Cd**	

Forestry Term:	Stand Layer to Which Hi
Description:	The stand layer to which the history record applies.
Content:	1 character alpha code designating respective layer
Default:	1
Permitted Values:	1 Layer 1 2 Layer 2 3 Layer 3 S Silviculture V Veteran
Use:	Identifies the layer to which history information applies
Linkage:	History information relates to Stand data with matching layer
Format:	Record type: History Field: 4 Type: Character Width: 1 Dec: Position: 14: 14
Related Attribute:	For_Cover_Rank_Cd, Hist_Cnt

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**History_Reference**
Alias:	**History_Reference**

Forestry Term:	History Reference Indica
Description:	A code indicating that there are History Record (s) for this layer within the FIP file.
Content:	1 character numeric code indicating presence of history
Default:	Blank
Permitted Values:	<blank> No History record (s) 1 History records exist.
Use:	Used to detect the presence of History Records
Linkage:	Points to existence of one or more history records.
Format:	Record type: Layer Field: 54 Type: Character Width: 1 Dec: Position: 196: 196
Related Attribute:	All History Record Attribute Fields

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Polygon	
Attribute:	**Inoperability_Ind**	
Alias:	**Inoperability_Cd**	

Forestry Term:	Inoperability Code
Description:	A code defining areas (i.e. stands) containing merchantable timber that cannot be harvested economically using current technology. For example, stands may not be harvestable because of some physical barrier such as a hanging valley, or because an area contains small patches of overmature timber surrounded by large areas of young stands. Inoperability was originally an ESA designation, but is now a separate attribute referring specifically to the harvesting economics of the stand. This code is distinctly different from the Operability Code found in the Resultant Record Type.
Content:	1 character alpha code holding inoperability code
Default:	blank
Permitted Values:	<blank> implied operable I Inoperable
Use:	Used extensively in determining the contributing land base for timber supply analyses
Linkage:	None
Format:	Record type: Polygon Field: 16 Type: Character Width: 1 Dec: Position: 59: 59
Related Attribute:	None (indirect ESA_Category1_cd, ESA_Category2_cd)

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification/ESA
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Polygon	
Attribute:	**Input_Date**	
Alias:	**Input_Date**	

Forestry Term:	Data Input Date
Description:	The date the forest cover information was entered into the Provincial Data Base.
Content:	6 character numeric code holding year, month and day
Default:	Must have value
Permitted Values:	911230
Use:	Used to determine the date of file processing.
Linkage:	Determines projection period, the longer the projection period the greater the data uncertainty.
Format:	Record Type: Polygon Field Name: Field: 11 Type: Numeric Width: 6 Dec: Position: 42: 47
Related Attribute:	Projected_Date

References:	Ministry of Forests, Resources Inventory Branch, FRGIS Selection
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Resultant		
Attribute:	**Inventory_Region**		
Alias:	**Inventory_Region**		

Forestry Term:	Inventory Region
Description:	The Inventory Region (s) that fall within the forest cover polygon. Inventory Regions are an administrative and planning level boundary used to subdivide the Province into 88 units. Inventory Region is also part of the reference key for identifying the geographic location of all inventory branch samples. Inventory region, along with inventory compartment and compartment letter, form the key to identifying the inventory samples.
Content:	2 character numeric code between 1 and 88 with 99 benign used for areas outside the Province.
Default:	99
Permitted Values:	1 to 88 Valid Inventory Regions 99 Areas outside the Province
Use:	Used to indicate the area of the polygon that is located within an inventory region. Used in conjunction with inventory compartment to assign FIZ zones. Also used for defining area boundaries for area and volume summaries.
Linkage:	Used with compartment to derive fiz_code
Format:	Record type: Resultant Field: 13 Type: Numeric Width: 2 Dec: Position: 42: 43
Related Attribute:	Compartment, Fiz_Code, Result_Area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model: FIP Database VRI Data Model ✔

Subject Area: FIP

Entity Type: Forest_Inventory_Planning

Subtype: Layer

Attribute: Inventory_Type_Group_Number

Alias: Inventory_Type_Group_Number

Forestry Term: Inventory Type Group

Description: The designation of species composition by one of 42 type groups, each being a unique combination of pure or mixed species.

Content: 2 character numeric code indicating inventory type group

Default: 0

Permitted Values:

ITG Code	Name	First Species	Second Species	Examples
1	Fd	FD > 80%	Any	Fd, FdPw, FdPwCw
2	FdCw	Fd	Cw or Yc	FdCw, FdYc, FdCwH
3	FdH	Fd	H or B	FdH, FdB, FdHCw
4	FdS	Fd	S	FdS, FdSB, FdSH
5	FdPl	Fd	Pl	FdPl, FdPlH, FdPlPy
6	FdPy	Fd	Py	FdPy, FdPyL, FdPyPl
7	FdL	Fd	L, Pw	FdL, FdLPy, FdPwS
8	FdDecid	Fd	Decid	FdDr, FdMb, FdAc
9	Cw	Cw?Yc > 80%	Any	Cw, Yc, CwYc, CwPl
10	CwFd	Cw/Yc	Fd, L, Py, Pw Pl or Dec	CwFd, CwL, YcFd
11	CwH	Cw/Yc	H, B, or S	CwH, CwB, CwS, YcH
12	H	H > 80%	Any	H, HPw, HPl, HPlYc
13	HFd	H	Fd, L, Py, Pw or Pl	HFd, HL, HFdCw
14	HCw	H	Cw or Yc	HCw, Hyc, HCwYc
15	HB	H	B	HB, HBS, HBCw
16	HS	H	S	HS, HSB, HSAc
17	Hdecid	H	Decid	Hac, HDr, HAcB
18	B	B > 80%	Any	B, BFd, BPw, BPl
19	BH	B	H, Cw, or Yc	BH, BCw, Byc, BHCw
20	BS	B	S, Fd, Pw, Pl L, Py or dec	BS, PSPl, PSAt
21	S	S > 80%	Any	S, Syc, SPw
22	SFd	S	Fd, L, Pw or Py	SFd, SL, Spy, SFdB
23	SH	S	H, Cw or Yc	SH, SCw, SHAc
24	SB	S	B	SB, SBAc, SBH
25	SPl	S	Pl	SPl, SPlB, SPlFd
26	Sdecid	S	Decid	Sat, Sac, SAcB
27	Pw	Pw	Any	Pw, PwFd, PwCwH
28	Pl	Pl/Pa > 80%	Any	Pl, Pa, PlPa, PaPl
29	PlFd	Pl	Fd, Pw, L, or Py	PlFd, PlPy, PlL, PlFdH
30	PlS	Pl	S, B, H, Cw, or Yc	PlS, PlB, PlH, PlBS
31	PlDecid	Pl	Decid	PlAt
32	Py	Py	Any	Py, PyFd, PyL, PyPl
33	LFd	L <= 80%	Fd	LFd, LFdPy
34	L	L	Any (Fd when L >80%)	L, LPy, LPl, LPyFd
35	AcConif	Ac	Conif	AcS, AcH
36	AcDecid	Ac	Decid	DrFd, DrCwH
38	DrDecid	Dr	Decid	Dr, DrMb
39	DrDecid	Dr	Decid	Dr, DrMb, MbFd
40	E	E	Any	E, Eat, ES
41	AtConif	At	Conif	AtPl, AtS, AtFd

42	AtDecid	At	Decid	At, AtAc

Use: Inventory Type Group (ITG) is used extensively in: area, volume, and other summaries where it is not necessary to summarize data by individual species, and determining the Supply Analyses and Local Resource Use Plans (LRUPs). The inventory type group is also used to provide a reference species for determining site index for productive forest land currently without commercial forest cover. For example, NSR prescribed for planting with Douglas fir would be assigned an ITG code of 1.

Linkage: Based on a table lookup using tree_species_cd_1 and optionally tree_species_cd_2 (if it is a major species). Used in the calculation of stocking_class_cd and as an index to volume calculation coefficients.

Format:
Record type: Layer
Field: 66
Type: Numeric
Width: 2
Dec:
Position: 222: 223

Related Attribute: Tree_Species_Cd_1, Tree_Species_Cd_2

References: Ministry of Forests, Resources Inventory Branch, Resource Inventory Section

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Inventory_Type_Group_Source_Cd**		
Alias:	**Inventory_Type_Group_Source_Cd**		

Forestry Term:	Inventory Type Group Or
Description:	A code describing the origin of the Inventory Type Group (ITG) number required for stands classified as NSR or NC
Content:	1 character alpha code indicating origin of Inventory
Default:	Blank
Permitted Values:	<blank> N/A S Silviculture H Historical - Previous Stand D Default - For Data Base roll-over only (NSR with no species if Interior, PL is assigned (ITG = 28) if Coast, Hemlock is assigned (ITG = 12) A Adjacent Stand
Use:	Used to identify the source of the Inventory Type Group assignment.
Linkage:	None
Format:	Record type: Layer Field: 43 Type: Character Width: 1 Dec: Position: 169: 169
Related Attribute:	

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Version		
Attribute:	**Last_Edit_Date**		
Alias:	**Last_Edit_Date**		

Forestry Term:	Last Fip Edit Date
Description:	Last date that the FIP file was modified using the data entry processing system.
Content:	10 character alpha code holding year
Default:	Last edit date
Permitted Values:	1991123110
Use:	Provides information on the date of the last FIP file modification.
Linkage:	None
Format:	Record type: Version Field: 5 Type: Character Width: 10 Dec: Position: 24: 33
Related Attribute:	None

References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Version		
Attribute:	**Last_Error_Check_Date**		
Alias:	**Last_Error_Check_Date**		

Forestry Term:	Last FIP ERROR Check
Description:	The date the FIP file was last checked using the FIP Validity Checking process. This process validates such attributes as: Type Identity, Age, Height, Stocking Class, Species, Species Percents, Species Totals, Reference Year, etc.
Content:	10 character alpha code holding year, month, day and hour
Default:	Blank
Permitted Values:	1991123110 1991 representing year 12 representing month 01 representing day 10 representing hour
Use:	Indicates that the file has been checked for validity and gives the date the validity check too place.
Linkage:	None
Format:	Record type: Version Field: 8 Type: Character Width: 10 Dec: Position: 48: 57
Related Attribute:	Last_Edit_Date

References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Version		
Attribute:	**Last_Error_Check_Version**		
Alias:	**Last_Error_Check_Version**		

Forestry Term: Last Error Check Versio

Description: Identifies the version of the error checking (validation) software used for validating FIP attributes as an aid to change management for the database and related applications.

Specifically

Position	Meaning
58-59	Release number
60	. (period)
61-63	Release version
61-62	numeric
63	alpha

Content: 6 character alpha code designating version of error checking software.

Default: must have value

Permitted Values: 2.01a

Use: identifies version of error checking used during FIP file processing.

Linkage: None

Format:
Record type: Version
Field: 9
Type: Character
Width: 6
Dec:
Position: 58: 63

Related Attribute: None

References: Ministry of Forests, Resources Inventory Branch, Resource Inventory Section

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Version		
Attribute:	**Last_Fipupdate_Date**		
Alias:	**Last_Fipupdate_Date**		

Forestry Term:	Last Fipupdate Date
Description:	The date the FIP file was last updated as part of the FIP completion process. More specifically, the date that the FIP file had the FIPUPDATE process (i.e. completion, projection, and volume processes) run against it.
Content:	8 character alpha code holding year, month and day.
Default:	Must have value
Permitted Values:	1991231
Use:	Indicates the date of completion of the FIP file.
Linkage:	None
Format:	Record type: Version Field: 6 Type: Character Width: 8 Dec: Position: 34: 41
Related Attribute:	None

References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Version		
Attribute:	**Last_Fipupdate_Version**		
Alias:	**Last_Fipupdate_Version**		

Forestry Term: Last Fipupdate Version -

Description: Identifies the version of Fipupdate software used for completion and projection of the FIP attributes as an aid to change management for the database and related applications.

Specifically

Position	Meaning
42-43	Release number
44	. (period)
45-47	Release version

Content: 6 character alpha code designating version e.g. 6.2 b

Default: must have value

Permitted Values: 6.2 b

Use: Identifies version of Fipupdate used during Fip file processing

Linkage: None

Format:
Record type: Version
Field: 7
Type: Character
Width: 6
Dec:
Position: 42: 47

Related Attribute: None

References: Ministry of Forests, Resources Inventory Branch, Resource Inventory Section

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**Layer_Cnt**		
Alias:	**Layer_Cnt**		

Forestry Term:	Number of Layer Record
Description:	The number of Layer records (each layer in the stand is described in a separate record) for the particular polygon being described.
Content:	1 character numeric value indicating the number of stand layers.
Default:	Must have value
Permitted Values:	1 - 5 (3 layers + Silviculture + Veteran)
Use:	Used to ensure that users accessing FIP file information process the correct number of layers in the stand.
Linkage:	Links to Layer records.
Format:	Record type: Polygon Field: 20 Type: Numeric Width: 1 Dec: Position: 74: 74
Related Attribute:	Record_type_Cd

References:	Ministry of Forests, Resources Inventory Branch FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory District/Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Management_Zone**	
Alias:	**Management_Zone**	

Forestry Term:	Management Zone
Description:	Originally included to allow designation of management zones. No longer in use.
Content:	1 character alpha code
Default:	0
Permitted Values:	
Use:	Not in use
Linkage:	None
Format:	Record type: Resultant Field: 52 Type: Character Width: 1 Dec: 1 Position: 161: 161
Related Attribute:	None

References:	None
Agency Responsible:	None

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	History, Layer, Polygon, Resultant, Ver		
Attribute:	**Mapsheet_id**		
Alias:	**Mapsheet_id**		

Forestry Term:	Forest Cover map Numb
Description:	Identifies the Forest Cover Map corresponding to the FIP file. It is the British Columbia Geographic System's (BCGS) Key Reference Number of the forest cover map. The mapsheet must commonly used is the 6' x 12' BCGS mapsheet.
Content:	8 character alpha code holding BCGS map number
Default:	Must have a value
Permitted Values:	The identifier in this case is eight long and is made up of: Position 2-4 Mapsheet Grid NTS or BCGS. Values are 82, 83, 92, 93, 94, 102, 103, 104, 114 5 Mapsheet Letter BCGS/NTS letter. Values are A - P, and W. 6-8 Mapsheet Square BCGS Number or NTS Number and letter. BCGS number values are 1 -100, and nts number values are 1-16 with NTS letter values A-H, and W. 9 Mapsheet Quad and identifier for 3' x 6 ' (1:10,000 scale) mapsheets. E.g. 082G002 - 6' x 12' minute map sheet
Use:	Identifies the mapsheet containing the corresponding Forest Cover Map.
Linkage:	Appears on all records
Format:	Record Type: History, Layer, Polygon, Resultant Field Name: Field: 2 Type: Character Width: 8 Dec: Position: 2: 9
Related Attribute:	Record_type_cd

References:	Ministry of Environment, Lands and Parks Surveys and Resource Mapping Branch. Standard System of Mapping for British Columbia
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Mean_Diameter_Pri_Util_Lvl**		
Alias:	**Mean_Diameter_Pri_Util_Lvl**		

Forestry Term:	Mean Stand Diameter -
Description:	The quadratic mean stand diameter (breast height), at the projection date, based on the primary utilization level. Calculated for Rank 1 stands only, Typid 1 through 3.
Content:	5 character numeric value holding quadratic mean stand diameter
Default:	0.0 cm
Permitted Values:	29.5 cm
Use:	Used to provide an estimate of product piece size.
Linkage:	Stand Diameter is calculated using projected_age and site_index, with coefficients based on fiz_code and inventory_type_group_source_cd. Utilization is determined by pri_utiil_lvl_cd which in turn is based on coast_interior_cd
Format:	Record type: Layer Field: 34 Type: Numeric Width: 5 Dec: 1 Position: 145: 149
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_1, Tree_Species_Pct_1, Site_Index, Projected_age
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Mean_Diameter_Sec_Util_Lvl**		
Alias:	**Mean_Diameter_Sec_Util_Lvl**		

Forestry Term:	Mean Stand Diameter -
Description:	The quadratic mean stand diameter (breast height), at the projection date, based on the secondary utilization level. Calculated for Rank 1 stands only, Typid 1 through 3.
Content:	5 character numeric value holding quadratic mean stand diameter
Default:	0.0 cm
Permitted Values:	29.5 cm
Use:	Used to provide an estimate of product piece size.
Linkage:	Stand Diameter is calculated using projected_age and site_index, with coefficients based on fiz_code and inventory_type_group_source_cd. Utilization is determined by pri_utiil_lvl_cd which in turn is based on coast_interior_cd
Format:	Record type: Layer Field: 35 Type: Numeric Width: 5 Dec: 1 Position: 150: 154
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_1, Tree_Species_Pct_1, Site_Index, Projected_age

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Non_Forest_Descriptor**		
Alias:	**Non_Forest_Descriptor**		

Forestry Term:	Non-Forest Descriptor
Description:	A classification code indicating that the forest cover type is not currently forested, but is capable of supporting commercial forests. The Non-Forest Descriptor is distinctly different from the Non-Productive Descriptor found in the Polygon Record. The Non-Forest Descriptor indicates that the forest cover polygon is potentially productive, but is not currently supporting commercial forests, whereas the Non-Productive Descriptor indicates that the stand is not capable of supporting commercial forests.
Content:	5 character alpha holding the abbreviation for Non-Forest
Default:	blank
Permitted Values:	NCBR Non-commercial brush NC Non-commercial NSR Not sufficiently restocked NTA No Typing available
Use:	Used to define land that is not currently forested but is capable of supporting commercial forest. It is also used to determine potential areas for silviculture treatment and to determine the net land base for Timber Supply Analyses.
Linkage:	Type_Identity_Ref and Projected_Type_Id may be determined by Non_Forest_Descriptor.
Format:	Record type: Layer Field: 6 Type: Character Width: 5 Dec: Position: 16: 20
Related Attribute:	Type_Identity_Reference, Projected_Tye_Id, Tree_Species_Cd_1 to Tree_Species_Cd_6, Tree_Species_Pct_1 to Tree_Species_Pct_6

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory, District

Model: FIP Database VRI Data Model ✔
Subject Area: FIP
Entity Type: Forest_Inventory_Planning
Subtype: Polygon
Attribute: Non_Productive_Cd
Alias: Basic_Class

Forestry Term: Basic Class

Description: A unique numeric code that references the classes or type of non-productive areas.

Content: 2 Character numeric code designating non-productive type code

Default: Zero

Permitted Values:

Non Productive Code	Non Productive Description	Description
01	Ice	Icefield
02	A	Alpine
03	R	Rock
06	GR	Gravel Pit
07	Sand	Sand
09	CL	Clay Bank
10	AF	Alpine Forest (with species etc.)
11	NPBR	Non-Productive Brush
12	NP	Non-Productive / Non Productive Forest
13	NPBU	Non-Productive Burn
15	L	Lake
16	Tide	Tidal Flat
18	G	Gravel Bar
25	Riv	River
26	Mud	Mud
35	S	Swamp (completed file)
42	C	Clearing
50	U	Roads
54	U	Urban
60	P	Hayfield
62	M	Meadow
63	OR	Open Range
64	NA	Non-Applicable (salt water)

Use: used in summaries based on non-productive land types. Also used in the generation of colour theme maps.

Linkage: Calculated based on Non_productive_Forest_Descriptor. Used to establish both Type_Identity_Reference and Projected _Type_ID

Format: Record Type: Polygon
Field Name:
Field: 6
Type: Numeric
Width: 2
Dec:
Position: 29: 30

Related Attribute: Non_Productive_Forest_Descriptor, Type_Identity_Reference, Projected_Type_Id

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification

Agency Responsible: Ministry of Forests, Resource Inventory Branch/District

Model:	FIP Database VRI Data Model ✔
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Polygon
Attribute:	**Non_Productive_Forest_Descriptor**
Alias:	**Non_Productive_Forest_Descriptor**

Forestry Term:	Non-Productive Descript
Description:	A classification code describing land, water or wetland that is incapable of supporting commercial forests. A Non-Productive descriptor does not imply that the land is unproductive for other valuable resources, such as wildlife, fisheries, recreation, etc. The Non-Productive classification is one of the major classes in the Forest Classification System.
Content:	5 character alpha code holding the abbreviation of the non-productive descriptor
Default:	Blank
Permitted Values:	NTA - No Typing Available Ice - Icefield A - Alpine R - Rock GR - Gravel Pit Sand - Sand CL - Clay Bank AF - Alpine Forest (with Species etc.) NPBR - Non-Productive Brush NP - Non-Productive NP - Non-Productive Forest (with species etc.) NPBU - Non-Productive Burn L - Lake TIDE - Tidal Flat G - Gravel Bar RIV - River MUD - Mud Flat S - Swamp (muskeg) C - Clearing U - Roads U - Urban P - Hayfield M - Meadow OR - Open Range NA - Non-Applicable (salt water)
Use:	Used to provide area summaries and statistics for various classes of non-productive areas.
Linkage:	Non_Productive_Cd is determined based on this field.
Format:	Record type: Polygon Field: 5 Type: Character Width: 5 Dec: Position: 24: 28
Related Attribute:	Non_Productive_Cd. Type_Identity_Reference. Projected_Type_Id
References:	Ministry of Forests. Resources Inventory Branch. Inventory Manual. Forest Classification
Agency Responsible:	Ministry of Forests. Resource Inventory. District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**NTS_Map_Number**		
Alias:	**BGC_GR**		

Forestry Term:	NTS/BCGS Adjoining M
Description:	National topographic system (NTS): of mapping, a geographic system under which Canada is divided into numbered primary quadrangles each 4 degrees latitude by 8 degrees longitude. Holds the adjoining or adjacent NTS or BCGS map number from which the history component was derived. Normally only used where data attributes are derived from the adjacent or adjoining mapsheet.
Content:	7 character alpha code referencing NTS or BCGS map number
Default:	blank
Permitted Values:	082G003 (BCGS) or 094G12H (NTS)
Use:	Provides a cross-reference to the original NTS or BCGS mapsheet.
Linkage:	Relate to data contained on History records.
Format:	Record type: Polygon Field: 19 Type: Character Width: 7 Dec: Position: 67: 73
Related Attribute:	Mapsheet_Id, Opening_Number

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	History		
Attribute:	**Opening_Number**		
Alias:	**Opening_Number**		

Forestry Term:	Silviculture Opening Nu
Description:	A unique number assigned to each opening in the forest caused by a disturbance (e.g. fire, logging, etc.)
Content:	Numeric value 0 to 9999
Default:	0
Permitted Values:	2 - opening number 2
Use:	Identifies Silviculture Opening Number and provides a cross-reference to the Silviculture Data Base (s)
Linkage:	None
Format:	Record type: History Field: 5 Type: Numeric Width: 4 Dec: Position: 15: 18
Related Attribute:	Mapsheet_Id, Forest_Cover_Polygon_Id
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Operability_Cd**	
Alias:	**Operability_Cd**	

Forestry Term:	Operability
Description:	A code describing the operability or inoperability of an area based on the presents or absence or physical barrier or other limitations.
Content:	1 character alpha code indicating operability
Default:	N Unreported
Permitted Values:	N - Unreported I - Inoperable A - Operable in some areas the operability code has been expanded to include operability by harvest method, for example in the North Coast TSA. Users should check with Districts.
Use:	Used to indicate the area of the polygon that is operable. It is used extensively in determining the Operable Land Base for Timber Supply Analyses.
Linkage:	Linkage by Forest Region
Format:	Record type: Resultant Field: 28 Type: Character Width: 1 Dec: Position: 84: 84
Related Attribute:	Result_Area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Ownership_Cd**
Alias:	**Ownership_Cd**

Forestry Term: Ownership

Description: A code indicating the ownership and administrative responsibility for the land contained within the polygon. The major classes of ownership and administrative responsibility include:

- Crown Grants - Private Administration (Codes in the 40's series);
- Federal Lands - Federal Administration (Codes in the 50's series);
- Crown Lands - Provincial Administration (Codes in the 60's series);
- Crown and Private Lands - Private and/or Provincial Administration (Codes in the 70's series),
- Crown and Private Lands - Local Administration (Codes in the 80's series);
- Crown Lands - Provincial Administration under active lease or permit (Codes in the 90's series)

Content: 2 character numeric code for ownership

Default: 1 Unreported ownership

Permitted Values:
01 - Area of Non-Interest Ownership Status unreported
40 - Private - Crown Grant
50 - Federal Reserve
51 - National Park
52 - Indian Reserve
53 - Military Reserve
54 - Dominion Government Block
60 - Crown Ecological Reserve
62 - Crown Forest Management Unit (T.S.A., P.S.Y.U) or Crown Timber Agreement Lands
63 - Crown Provincial Park Class A
64 - Crown Provincial Park Class B
65 - Crown Provincial Park Class C (Park Board)
66 - Crown Provincial Park Class C (No Board)
67 - Crown Provincial Park equivalent or Reserve
68 - Crown Wilderness area within Provincial Forest
69 - Crown Miscellaneous reserves
70 - Crown Active Timber Licence in a TSA or TFL
72 -Crown and Private Schedule "A" and Schedule "B" Lands
74 - Crown and Private timber alienated in watershed
75 - Crown Christmas tree permit
76 - Crown and Private TFL where statue unreported
77 - Crown and Private Woodlot Licence
78 - Crown community pasture, Prince George SSA
81 - Crown and Private under Municipal administration
90 - Crown grazing lease
99 - Crown misc. lease (Fairground, R&G Club site, recreation cottage site).

Use: Used to identify the ownership of the land within a polygon. Used in conjunction with Ownership Character to determine the land that contribute to the Forest Land Base. Conversely, it can be used to define land that is protected because it is located in a National Park, Ecological Reserves, etc.

Linkage: None

Format:
Record type: Resultant
Field: 16
Type: Numeric
Width: 2
Dec:
Position: 48: 49

Related Attribute: Ownership_Character_Cd, Provincial_Forest, Provincial_Forest_Sub_Cd, Result_Area

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model: FIP Database VRI Data Model ☐

Subject Area: FIP

Entity Type: Forest_Inventory_Planning

Subtype: Resultant

Attribute: Ownership_Character_Cd

Alias: Ownership_Character_Cd

Forestry Term: Ownership Character

Description: A code indicating whether or not a given area is available for long-term integrated resource management. For example, land in a National Park, Ecological Reserve, etc. is not available for long-term integrated resource management.

Content: 1 character alpha code designating availability of land for long term integrated resource management

Default: N - Land not available for long-term integrated

Permitted Values:
A - Schedule "A" land - Tree Farm Licence
B - Schedule "B" land - Tree Farm Licence
C - Land available for long-term integrated resource management
N - Land not available for long-term integrated resource management Applied to land outside of the Province and areas of non-interest.

Use: Used in conjunction with Ownership Code to determine land that contributes to the forest land base.

Linkage: None

Format:
Record type: Resultant
Field: 17
Type: Character
Width: 1
Dec:
Position: 50: 50

Related Attribute: Owenership_Cd, Result_Area

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.

Agency Responsible: Ministry of Forests, Resource Inventory, District/ Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**Pest_Severity _cd**	
Alias:	**Degree_of_Infestation**	

Forestry Term:	Degree of Insect or dise
Description:	A code describing the severity of a pest's (insect or disease) attack on the stand.
Content:	1 character numeric code indicating severity
Default:	Blank
Permitted Values:	<blank> 1 - Light 2 - Moderate 3 - Heavy 4 - Past Occurrence
Use:	Used to provide the area of infestation by broad severity classes. May be used to apply volume adjustments.
Linkage:	None
Format:	Record Type: History Field Name: Field: 12 Type: Character Width: 1 Dec: Position: 30: 30
Related Attribute:	Attribute_cd, Activity_cd
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Planning_Cell**
Alias:	**Planning_Cell**

Forestry Term:	Planning Cell
Description:	The Planning Cell (s) that fall within the forest cover polygon. A Planning Cell is an area designated for planning and management purposes.
Content:	4 character code designating Planning Cell
Default:	Z999
Permitted Values:	Z999 - Unreported C012 - Valid Planning Cell
Use:	used to indicate the area of the polygon located within a Planning Cell. Used extensively for allocation of the forest resource including defining operating areas, net-downs, harvest scheduling, etc.
Linkage:	None
Format:	Record type: Resultant Field: 27 Type: Character Width: 4 Dec: Position: 80: 83
Related Attribute:	Result_Area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History	
Attribute:	**Plantation_Species_1**	
Alias:	**Plantation_Species_1**	

Forestry Term:	Plantation Species - Lea
Description:	The leading species planted in the stand. The genus, species, and subspecies are described.
Content:	3 character alpha commercial species code. Normally 2 characters in first 2 positions.
Default:	Blank
Permitted Values:	PI - Lodgepole Pine
Use:	Defines the leading species planted and is used in area/plantation summaries.
Linkage:	None
Format:	Record type: History Field: 14 Type: Character Width: 3 Dec: Position: 32: 34
Related Attribute:	Attrribute_Cd, Activity_Cd

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	History
Attribute:	**Plantation_Species_2**
Alias:	**Plantation_Species_2**

Forestry Term:	Plantation Species - Sec
Description:	The second species planted in the stand. The genus, species, and subspecies are described.
Content:	3 character alpha commercial species code. Normally 2 characters in first 2 positions.
Default:	Blank
Permitted Values:	S Spruce
Use:	Defines the leading species planted and is used in area/plantation summaries.
Linkage:	None
Format:	Record type: History Field: 15 Type: Character Width: 3 Dec: Position: 35: 37
Related Attribute:	Attrribute_Cd, Activity_Cd

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**Polygon_Area**		
Alias:	**Polygon_Area**		

Forestry Term:	Forest Polygon Area
Description:	Total area, in hectares, of the forest cover polygon. The total area should be equal to the sum of the areas for all resultants in that polygon.
Content:	10 character numeric value holding polygon area
Default:	Must have value
Permitted Values:	207.240 - area in hectares
Use:	To obtain the size, or area of a polygon. For example, it is used to determine the total area on the mapsheet that has been classified as a particular forest cover type. When dealing with subsets of a polygon (e.g. resultants), resultant areas should be used.
Linkage:	Linked to resultant areas, resultant areas must sum to polygon area.
Format:	Record type: Polygon Field: 4 Type: Numeric Width: 10 Dec: 3 Position: 14: 23
Related Attribute:	Result_area
References:	Ministry of Forest, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Forest_Region**
Alias:	**Region**

Forestry Term:	Forest Region
Description:	The Forest Region(s) that fall within the forest cover polygon. Forest Regions are administrative areas that divide the province into six regions: Vancouver, Prince George, Prince Rupert, Kamloops, Nelson, and the Cariboo. These regions have been established.
Content:	2 character numeric code designating Forest Region
Default:	99 - Areas of on-interest
Permitted Values:	31 - Vancouver 32 - Prince Rupert 33 - Kamloops 34 - Prince George 35 - Nelson 36 - Cariboo 99 Area of non-interest
Use:	Used to indicate the area of the polygon located (i.e. administered) within a Forest Region
Linkage:	None
Format:	Record type: Resultant Field: 29 Type: Character Width: 2 Dec: Position: 85: 86
Related Attribute:	Forest_District, Result_area

References:	Ministry of Forest, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**Pri_Util_Lvl_Cd**		
Alias:	**Pri_Util_Lvl_Cd**		

Forestry Term:	Primary Utilization Level
Description:	The utilization level defines the stump height and top diameter, inside bark, between which the volume of individual trees are determined. The primary level of utilization refers to the "highest" or "closest" use of the individual trees in determining stand volumes for Timber Supply Analyses. For example, volumes per hectare in the Interior Region, include trees with a stump inside bark diameter of 12.5 cm or greater (utilization code '04'). Attributes that are used to determine volumes by different utilization levels include: stump height, stump inside bark diameter, top inside bar diameter, main stem taper
Content:	2 character numeric code indicating one of 2 possible utilization levels
Default:	Must have value
Permitted Values:	04 - 12.5 cm + inside bark diameter at 30 cm stump height to a 10 cm inside bark top diameter. Primary utilization level for Interior stands 08 - 17.5 cm + inside bark diameter at 30 cm stump height to a 10 cm inside bark top diameter. Primary utilization level for Coast stands
Use:	Used to determine volumes per hectare for data summaries and reporting, as well as determining volumes per hectare for Timber Supply Analyses.
Linkage:	Determined by Coast_Interior_Cd field; Linked to volume and diameter assignment.
Format:	Record type: Polygon Field: 14 Type: Numeric Width: 2 Dec: Position: 55: 56
Related Attribute:	Vol_Per_Ha_Spp_1_Pri_Util_Lvl to Vol_Per_Ha_Spp_6_Pri_Util_Lvl, Mean_Diameter_Pri_Util_Lvl, Culmination_Mai_Pri_Lvl, Stand_Ba_Pri_Lvl, Projected_Ba_Pri_Lvl, Coast_Interior_Cd
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Projected_Age**		
Alias:	**Projected_Age**		

Forestry Term:	Projected Age
Description:	The age of the layer at the year of projection. The projected age is calculated by adding the projection period (i.e. the difference between projection date and reference year) to the stand age at reference year.
Content:	3 character numeric value holding projected age in years.
Default:	0 years
Permitted Values:	178 years old
Use:	Projected Stand Age is use in: - any area, volume, or other summaries based on age or class, - determining the contributing land base in Timber Supply Analyses - forecasting and scheduling short term wood supply and determining when timber will be coming on stream - determining Old Growth, and - conducting Biodiversity Analyses
Linkage:	Projected age is calculated using stand_age, reference_year and projected_date. T is used in the calculation of al volumes and diameter values. IT is also used in the calculation of projected_stocking_class_cd, projected_height and projected_age_class_cd
Format:	Record type: Layer Field: 56 Type: Numeric Width: 3 Dec: Position: 199:201
Related Attribute:	Stand_Age, Projected_Date, Reference_Year

References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**Projected_Age_Class_Cd**
Alias:	**Projected_Age_Class_Cd**

Forestry Term:	Projected Age Class
Description:	A code indicating the age class of the stand at the year of projection. Age classes are intervals, or ranges, of ages into which trees, forests, stands, or forest types are divided into for classification and use.
Content:	1 character numeric code indicating projected age class
Default:	0
Permitted Values:	1 Stand age 1 to 20 years 2 Stand age 21 to 40 years 3 Stand age 41 to 60 years 4 Stand age 61 to 80 years 5 Stand age 81 to 100 years 6 Stand age 101 to 120 years 7 Stand age 121 to 140 years 8 Stand age 1411 to 250 years 9 Stand age 251 + years
Use:	Used extensively in : - producing area and volume summaries by projected age classes, - determining land base net-downs for Timber Supply Analyses, and - identifying Old Growth stands.
Linkage:	Projected_Age_Class_Cd is calculated based on Projected_Age
Format:	Record type: Layer Field: 59 Type: Numeric Width: 1 Dec: Position: 207:207
Related Attribute:	Stand_Age, Projected_Date, Reference_Year

References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model ☐
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Projected_Ba_Pri_Lvl**	
Alias:	**Projected_Ba_Pri_Lvl**	

Forestry Term:	Basal Area - Primary Util
Description:	Basal Area, in square metres per hectare, of all trees above the primary utilization level at the Year of Projection. The basal Area is based on the outside bark cross section at breast height.
Content:	5 character numeric value holding basal area.
Default:	0.0
Permitted Values:	30.4 m2
Use:	Planned input for Growth Models
Linkage:	Calculated using Projected_age, site_index, and coefficients based on inventory_type_group_source_cd, fiz_code and Pri_Util_Lvl_cd. Multiplied by table-lookup of stems/ha.
Format:	Record Type: Layer Field Name: Field: 74 Type: Numeric Width: 2 Dec: 1 Position: 246:250
Related Attribute:	Coast_interior_cd, Tree_species_Cd_1, Tree_species_Cd_2, Site_index, Projected_age, Crown_closure_air
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Projected_Ba_Sec_Lvl**	
Alias:	**Projected_Ba_Sec_Lvl**	

Forestry Term:	Basal Area - Secondary
Description:	Basal Area, in square metres per hectare, of all trees above the secondary utilization level at the Year of Projection. The basal Area is based on the outside bark cross section at breast height.
Content:	5 character numeric value holding basal area.
Default:	0.0
Permitted Values:	29.1 m2
Use:	Planned input for Growth Models
Linkage:	Calculated using Projected_age, site_index, and coefficients based on inventory_type_group_source_cd, fiz_code and Pri_Util_Lvl_cd. Multiplied by table-lookup of stems/ha.
Format:	Record Type: Layer Field Name: Field: 75 Type: Numeric Width: 5 Dec: 1 Position: 251:255
Related Attribute:	Coast_interior_cd, Tree_species_Cd_1, Tree_species_Cd_2, Site_index, Projected_age, Crown_closure_air
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**Projected_Date**		
Alias:	**Projected_Date**		

Forestry Term:	Data Projection Date
Description:	The date to which time dependent stand information is projected. Attributes that are projected to a future date include: - Age; - Age Class; - Height Class; - Type Identity; - Stocking Class, etc.
Content:	6 character numeric code holding year, month and day
Default:	Must have value
Permitted Values:	910101
Use:	Used to determine the date to which time dependent variables in the stand have been projected. All maps within a project area should be projected t the same date.
Linkage:	Linked to all projected values including: prj_age, prj_hgt, prj_typid, prj_agecl, prj_hgtcl and prj_stkcl. Affects volumes, MAI and basal area, etc.
Format:	Record Type: Polygon Field Name: Field: 12 Type: Numeric Width: 6 Dec: Position: 48: 53
Related Attribute:	input_date
References:	Ministry of Forests, Resources Inventory Branch, FRGIS Selection
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Projected_Height**		
Alias:	**Projected_Height**		

Forestry Term:	Projected Height
Description:	The height of the layer at the year of projection. The projected height is determined by applying the projected age to various site index functions for the leading commercial species: - an ecologically based site index is used (e.g. mid-point of site class) for young stands (i.e. projected age less than 30 years) - site index functions are used to determine projected height for older stands (i.e. projected age greater than, or equal to 30 years)
Content:	Height in metres
Default:	0.0 m
Permitted Values:	29.5 m
Use:	Projected Stand Height is used in determining net-downs for Timber Supply Analysis, and producing area and volume summaries by height ranges which do not conform to defined height classes (e.g. ad-hoc height ranges).
Linkage:	Projected Height is calculated using projected_age and site_index and coefficients based on tree_species_cd_1 and coast_interior_cd. Projected height is used to calculate projected_height_class_cd.
Format:	Record type: Layer Field: 57 Type: Numeric Width: 4 Dec: 1 Position: 202:205
Related Attribute:	Stand_Age, Projected_Date, Reference_Year, Site_Index, Tree_Species_Cd_1

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Projected_Height_Class_Cd**	
Alias:	**Projected_Height_Class_Cd**	

Forestry Term:	Projected Height Class
Description:	A code indicating the height class of the stand at the year of projection. Height classes are intervals, or ranges, of heights into which trees or stand heights are divided into for classification and use.
Content:	1 character numeric code between 0 and 9 indicating projected height class
Default:	0
Permitted Values:	0 0 m 1 > 0.0 - 10.4 m 1 0.1 - 10.4 m 2 10.5 - 19.4 m 3 19.5 - 28.4 m 4 28.5 - 37.4 m 5 37.5 - 46.4 m 6 46.5 - 55.4 m 7 55.5 - 64.4 m 8 64.5 +
Use:	Used extensively in determining net-downs for Timber Supply Analyses, and producing area and volume summaries by projected age classes
Linkage:	Projected_Height_Class_cd is calculated based on Projected_Height
Format:	Record type: Layer Field: 60 Type: Numeric Width: 1 Dec: Position: 208:208
Related Attribute:	Stand_Age, Projected_Date, Reference_Year, Site_Index
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Projected_Stocking_Class_Cd**		
Alias:	**Projected_Stocking_Class_Cd**		

Forestry Term: Projected Stocking Clas

Description: A code describing the stocking class of the later at the year of projection. Stocking Class is determined based on the leading commercial species and/or the size (diameter) and number of stems per hectare.

Content: 1 character alpha code indicating projected stocking class

Default: Blank

Permitted Values:

<blank> N/A
0 Immature stands

R Immature/Mature Stands:
Disturbed 26 to 75% area or volume

1 Mature Stands:
Not disturbed 26 to 75% by area or volume 76 or more trees per hectare 27.5 cm + dbh

2 Mature Stands
a. Leading species not lodgepole pine
Fewer than 76 trees per hectare 27.5 cm + dbh

b. Leading species llodgepole pine
No information on number of stems 7.5 cm + dbh

3 Mature Stands:
Leading species lodgepole pine
- 311 or more stems per hectare 17.5cm + dbh
- 50 % or more of the stems 7.5 cm + dbh are equal to or greater than 12.5 cm dbh.

4 Mature Stand:
Leading species lodgepole pine
- Fewer than 50 % of the stems 7.5 cm + dbh are equal to or greater than 12.5 cm dbh
- 0 to 310 stems per hectare 17.5 cm + dbh

Use: Used extensively in Timber Supply Analyses and local resource use plans (LRUPs) for determining the contributing land base and assigning net-downs.

Linkage: Projected_Stocking_Class_Cd may differ from Stocking_Class if stand matures, typically determined by change in Typid.

Format:
Record type: Layer
Field: 61
Type: Character
Width: 1
Dec:
Position: 209:209

Related Attribute: Projected_Height, Projected_Age, Stocking_Class_Cd

References: Ministry of Forests, Resources Inventory Branch, Resource Inventory Section

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Projected_Type_Id**		
Alias:	**Projected_Type_Id**		

Forestry Term:	Projected Type Identity
Description:	Classification of the layer's vegetation cover at the year of projection. The classification reflects the absence or value/importance/status of the vegetation cover with respect to forestry values.
Content:	1 character numeric code indicating type identity
Default:	Must have value
Permitted Values:	1 Immature (always stocking class 0) 2 Mature (stocking classes 1, 2, 3, 4) 3 Immature Residual (stocking class R) 4 N.D.R. (Not Sufficiently Restocked) 5 N.C. (Non-Commercial) 6 Non-Productive (includes all N.P.D.) 8 N.T.A. (No Typing Available) 9 Silviculture NSR
Use:	Used extensively in Timber Supply Analyses for determining the contributing land base. Also used extensively in area and volume summarise. Used in conjunction with Type Identity at Reference (i.e. vegetation cover at the reference year) to identify changes due to projection (e.g. projection may result in the stand changing from immature to mature).
Linkage:	Projected_Type_Id is determined based on Tree_Species_Cd_1, Tree_Species_Cd_2, projected_Age, Stocking_Clas_Cd and/or Non_Projuctive_Forest_Descriptor, Non_Forest_Descriptor.
Format:	Record type: Layer Field: 58 Type: Numeric Width: 1 Dec: Position: 206:206
Related Attribute:	Non_Forest_Productive_Descriptor, Non_Forest_Descriptor, Projected_Stocking_Class_Cd, Projected_Age
References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Provincial_Forest**	
Alias:	**Provincial_Forest**	

Forestry Term:	Provincial Forest
Description:	The Provincial Forest (s) that fall within the forest cover polygon. Provincial Forest land is designated under Section 5 of the Forest Act.
Content:	4 character numeric code designating the Provincial Forest
Default:	999
Permitted Values:	999 - Areas outside the Province 3 - Chilliwack
Use:	Used to indicate the area of the polygon located within a Provincial Forest. Used to determine the areas designated as Provincial Forests.
Linkage:	None
Format:	Record type: Resultant Field: 23 Type: Numeric Width: 4 Dec: Position: 68:71
Related Attribute:	Provincial_Forest_Ind, Result_Area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Provincial_Forest_Ind**	
Alias:	**Provincial_Forest_Sub_Cd**	

Forestry Term:	Provincial Forest Sub Co
Description:	A code indicating if the polygon is located within a Provincial Forest that was established through regulation (gazetted).
Content:	1 character alpha subcode designating inclusions and exclusions within the Provincial Forest
Default:	Must have value
Permitted Values:	1 - Provincial Forest 0 - Provincial Forest exclusions (I.R.'s Parks, etc.)
Use:	Used to identify area designated as Provincial Forest and Provincial Forest Exclusions (e.g. Parks).
Linkage:	None
Format:	Record type: Resultant Field: 24 Type: Character Width: 1 Dec: Position: 72:72
Related Attribute:	Provincial_Forest, Result_Area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Range_Community_Type_No**	
Alias:	**Range_Community_Type_No**	

Forestry Term:	Range Community Type
Description:	No longer in use by Range.
Content:	4 character numeric code
Default:	0
Permitted Values:	
Use:	Not in use
Linkage:	None
Format:	Record type: Resultant Field: 51 Type: Numeric Width: 4 Dec: Position: 157:160
Related Attribute:	None

References:	None
Agency Responsible:	None

Model:	FIP Database	VRI Data Model ☐
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Range_Pasture_Cd**	
Alias:	**Range_Pasture**	

Forestry Term:	Range Pasture
Description:	The Range Pasture (s) that fall within the forest cover polygon. A Range Pasture is the smallest range management area authorized for livestock grazing. It is a subdivision of Range Unit and Stock Range.
Content:	2 character numeric code cross-referencing the Range Pasture name
Default:	Blank
Permitted Values:	11
Use:	Used to indicate the area of the polygon that is located within a Range Pasture. Used in conjunction with Stock Range and Range Unit for general range management purposes, forage summaries, monitoring range utilization, conducting invader/weed species inventories, etc.
Linkage:	None
Format:	Record type: Resultant Field: 42 Type: Character Width: 2 Dec: Position: 131:132
Related Attribute:	Stock_Range_NBR, Range_Unit_NBR, Result_Area
References:	Range Manual (Draft)
Agency Responsible:	Range Management District/Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Range_Type_No**	
Alias:	**Range_Type_No**	

Forestry Term:	Range Type Number
Description:	Non longer in use by Range
Content:	3 character numeric code.
Default:	0
Permitted Values:	
Use:	Not in use
Linkage:	None
Format:	Record type: Resultant Field: 50 Type: Numeric Width: 3 Dec: Position: 154:156
Related Attribute:	None
References:	None
Agency Responsible:	Range Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Range_Unit_NBR**
Alias:	**Range_Unit**

Forestry Term:	Range Unit
Description:	The Range Unit (s) that fall within the forest cover polygon. A Range Unit is a range management area used to prescribe the numbers and kinds of livestock that the land can support. This information is specified in the range management plan. This plan also defines the periods of time when the land will be used for range purposes.
Content:	4 character numeric code cross-referencing the Range Unit name
Default:	7000 - Unreported
Permitted Values:	7000 - Unreported 5999 - Unorganised (999), Nelson Region (5) 3044 - Adams 4143 - Aikman
Use:	Used to indicate the area of the polygon located within a Range Unit. Used for general range management purposes, forage summaries, monitoring range utilization, conducting invader/weed species inventories, etc.
Linkage:	None
Format:	Record type: Resultant Field: 26 Type: Numeric Width: 4 Dec: Position: 76: 79
Related Attribute:	Stock_Range_NBR, Range_Pasture, Forest_Region, Result_Area

References:	Range Manual (Draft)
Agency Responsible:	Range Management District/Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Rec_Activity_Cd**	
Alias:	**Rec_Activity_Cd**	

Forestry Term:	Recreation Activity
Description:	The Recreation Activity Code (s) that fall within the polygon. The Recreation Activity Code describes the existing or potential recreational use for the land based on its Recreational Features. For example, a Recreation Feature of "waterbody" could have a Recreational Activity of angling, canoeing, etc.
Content:	3 character lower case alpha code designation feature - related recreational activity
Default:	--- Not reported
Permitted Values:	--- Not reported a-- Angling ac- Angling, Canoeing and Angling, Canoeing, Kayaking/rafting
Use:	Used to indicate the recreational activities that could occur in the polygon (e.g. angling, canoeing, etc.). This information is used in the planning and development of trails and campsites, preharvest planning, and harvesting decisions (e.g. whether or not to harvest an area based on the recreational potential of the land).
Linkage:	None
Format:	Record type: Resultant Field: 32 Type: Character Width: 3 Dec: Position: 95: 97
Related Attribute:	Rec_Mgmnt, Rec_Feature_Cd, Rec_Feature_Sig, Rec_Mgmnt_Class_cd, Rec_Ros, Rec_Polygon_No, Result_Area
References:	Ministry of Forests, Recreation Branch Recreation Manual
Agency Responsible:	Recreation District/Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Rec_Feature_Cd**	
Alias:	**Rec_Feature_Cd**	

Forestry Term: Recreation Feature

Description: The Recreation Feature (s) that fall within the polygon. This code describes the biophysical, visual or cultural features, and subfeatures, of the area. Typical features include Aquatic, Beaches, Hydrologic Features, Vegetation, Waterfalls and Rapids, Glaciers and Icefields, Landforms, Waterbody, Topographic Features, Rock Formations, Springs, etc. Subfeatures are used to further define the feature. For example, the Springs Feature can be subdivided into Thermal Springs (S1), Freshwater Springs (S2) and Mineral Springs (S3). This attribute can contain up to 3 of the most important features in the resultant.

Content: 6 character alpha-numeric code (3 paired attributes) designating Recreation Feature (s)

Default: ------ Not reported

Permitted Values:
------ Not reported
S3---- Mineral Springs
S1R3-- Mineral Springs, Mineral Deposits
S1R3W3 Mineral Springs, Mineral Deposits, Large Mammals

Use: Used to indicate the recreational features located within each polygon. This information is used in the planning and development of trails and campsites, preharvest planning, and harvesting decisions (e.g. whether or not to harvest an area based on the recreational features/potential of the land).

Linkage: None

Format:
Record type: Resultant
Field: 31
Type: Character
Width: 6
Dec:
Position: 89: 94

Related Attribute: Rec_Mgmnt, Rec_Activity_Cd, Rec_Feature_Sig, Rec_Mgmnt_Class_Cd, Rec_Ros, Rec_Polygon_No, Result_Area

References: Ministry of Forests, Recreation Branch Recreation Manual

Agency Responsible: Recreation District/Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Rec_Feature_Sig**	
Alias:	**Rec_Feature_Sig**	

Forestry Term:	Recreation Feature Signi
Description:	The significance of recreational features within the polygon. The Recreation Feature Significance is a code describing the ability of the Recreational Feature to attract recreation, educational, or scientific users. The code is based on a 4 point rating scale.
Content:	1 character alpha code designating Feature Significance
Default:	- Not assigned
Permitted Values:	- not assigned A - Very high capability to attract recreational, educational or scientific Provincial (or higher) significance. B - High capability to attract recreational use Regional significance. C - Moderate ability to attract recreational use Local significance (i.e. whether or not to harvest an area based on the recreational potential of the land).
Use:	Used to indicate the significance (e.g. ability to attract recreational users, etc.) of the recreational features in the polygon. This information is used in the planning and development of trails and campsites, preharvest planning, and harvesting decisions (e.g. whether or not to harvest an area based on the recreational potential of the land).
Linkage:	None
Format:	Record type: Resultant Field: 33 Type: Character Width: 1 Dec: Position: 98: 98
Related Attribute:	Rec_Mgmnt, Rec_Feature_cd, Rec_Activity_Cd, Rec_Mgmnt_Class_Cd, Rec_Ros, Rec_Polygon_No, Result_Area

References:	Ministry of Forests, Recreation Branch Recreation Manual
Agency Responsible:	Recreation District/Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Rec_Mgmnt_Cd**	
Alias:	**Rec_Mgmnt_Cd**	

Forestry Term: Recreation Management

Description: The Recreation Management Code (s) that fall within the polygon. The recreation management code describes the recommended objectives for guiding preharvest prescriptions in cutblock approval. These objectives result from analyses, management objectives, or approved prescriptions.

Content: 2 character code designating Recreation management class

Default: -- no information available

Permitted Values:
-- No information available
01 Preservation Approved
02 Retention Approved
03 Partial Retention Approved
04 Modification Approved
05 Maximum Modification Approved
06 Preservation Recommended
07 Retention Recommended
08 Partial Retention Recommended
09 Modification Recommended

Use: Used to indicate the area of the polygon located within each recreation management code. These codes are used to guide preharvest prescriptions in cutblock approval.

Linkage: None

Format:
Record type: Resultant
Field: 30
Type: Character
Width: 2
Dec:
Position: 87: 88

Related Attribute: Rec_Mgmnt_Cd, Rec_Feature_Cd, Rec_Activity_cd, Rec_Feature_Sig, Rec_Mgmnt_Class_Cd, Rec_Ros, Rec_Polygon_No, Result_Area

References: Ministry of Forests, Recreation Branch Recreation Manual, Chapter 6

Agency Responsible: Recreation District/Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Rec_Mgmnt_Class_Cd**
Alias:	**Rec_Mgmnt_Class_Cd**

Forestry Term:	Recreation Management
Description:	The Recreation Management Class (es) that fall within the polygon. The recreation management class indicates whether commonly accepted (i.e. normal) local management practices can provide adequate protection to the recreational values within the polygon. For example, areas with outstanding recreational value may be more appropriately managed exclusively for the purposes of recreation and not in conjunction with forest management practices.
Content:	1 character numeric code designating recreation management class
Default:	- Not assigned
Permitted Values:	- Not assigned 0 Areas of outstanding recreational, educational, scientific or heritage value and is more appropriately managed exclusively for the recreational values noted. 1 Areas requiring special management consideration to protect or maintain recreational values 2 Normal forest management practices are adequate to maintain recreational values.
Use:	Used to indicate the type of management practices required to provide adequate protection for the recreational values in the polygon. This information is used in the planning and development of trails and campsites, preharvest planning, and harvesting decisions (e.g. whether or not to harvest an area based on the recreational potential of the land).
Linkage:	None
Format:	Record type: Resultant Field: 34 Type: Character Width: 1 Dec: Position: 99: 99
Related Attribute:	Rec_Mgmnt, Rec_Feature_Cd, Rec_Activity_Cd, Rec_Feature_Sig, Rec_Ros, Rec_Polygon_No, Result_Area

References:	Ministry of Forests, Recreation Branch Recreation Manual
Agency Responsible:	Recreation District/Branch

Model:	FIP Database VRI Data Model ☐
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Rec_Ros**
Alias:	**Rec_Ros**

Forestry Term:	Recreation Opportunity
Description:	The Recreation Opportunity Spectrum (s) that fall within the polygon. The recreation opportunity spectrum contains seven categories that describe the opportunity for users to access and experience the recreational values in the area (e.g. primitive, road access, rural, etc.).
Content:	1 character numeric code designating ROS class
Default:	7 Not assigned
Permitted Values:	7 - Not assigned 1 - Primitive 2 - Semi_primitive, Non-motorized 3 - Semi-primitive, motorized 4 - Roaded Resource Land 5 - Rural 6 - Urban
Use:	Used to indicate the opportunities for users to access and experience the recreation values in the area. This information is used in the planning and development of trails and campsites, preharvest planning, and harvesting decisions (e.g. whether or not to harvest an area based on the recreation potential of the land).
Linkage:	None
Format:	Record type: Resultant Field: 35 Type: Character Width: 1 Dec: Position: 100:100
Related Attribute:	Rec_Mgmnt, Rec_Feature_Cd, Rec_Activity_Cd, Rec_Feature_Sig, Rec_Ros, Rec_Mgmnt_Class_Cd, Rec_Polygon_No, Result_Area

References:	Ministry of Forests, Recreation Branch Recreation Manual, Chapter 6
Agency Responsible:	Recreation District/Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	History, Layer, Polygon, Resultant, Ver	
Attribute:	**Record_Type_Cd**	
Alias:	**Record_Type**	

Forestry Term: Record Type Indicator

Description: One of five record type indicators. This code classifies the information contained within each record as being V (version), P (Polygon), L (Layer), H (History), or R (Resultant)

Content: 1 character alpha code indicating Record Type

Default: Must have value

Permitted Values:

V - Version
Signifies Version record. It is the first record in the FIP file and contains information relating to the creation and edit data of the FI file and provides a cross-reference to the Digital Design File.

P - Polygon
Signifies that this is Polygon Record. This is the first record for reach forest cover polygon in the FIP file. Contains information common to the entire polygon (e.g. Polygon Area, Coast/Interior Indicator and ESA designations) and holds counters indicating the number of Layer, History and Resultant records to follow.

L - Layer
Signifies this is a Layer record. The Layer record (s) follow the polygon record. Contains forest cover information specific to each of the layers (canopies) in a stand.

H - History
Signifies that this is a History record. The History record (s) follow the Layer record (s). Contains History information describing natural or man-caused activity (e.g. fir, harvesting, silvicultural treatments, etc.) associated with a specific layer in the stand.

R - Resultant
Signifies that this is a Resultant Record. The Resultant record (s) follow the History record (s). Contains information describing attributes not directly related to the forest cover. Includes such information as TSA/Block, Region and Compartment, Operability, Planning Cell, etc.

Use: Identifies type of record in FIP file

Linkage: Implicitly defines information content, fields and format of record.

Format:
Record type: History, Layer, Polygon, Resultant, Version
Field: 1
Type: Character
Width: 1
Dec:
Position: 1: 1

Related Attribute: Record_Type is the first field on every record in the FIP file.

References: Standards and Procedures for the Acquisition Forest Inventory Date, January 1991.

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Recreation-Polygon_No**	
Alias:	**Recreation-Polygon_No**	

Forestry Term:	Recreation Polygon Nu
Description:	The last two fields (numbers) that are assigned to the recreation polygon number.
Content:	2 character numeric code holding last 2 digits of recreation polygon number
Default:	Blank
Permitted Values:	<blank>
Use:	Used to designed the last two numbers of the recreation polygon number as stored on the recreation level (level 47)
Linkage:	None
Format:	Record type: Resultant Field: 55 Type: Numeric Width: 2 Dec: Position: 168:169
Related Attribute:	Rec_Mgmnt_Cd, Rec_Feature_Cd, Rec_Activity_Cd, Rec_Feature_Sig, Rec_Mgmnt_Class_Cd, Rec_Ros, Rec_Polygon_No, Result_Area
References:	Ministry of Forests, Recreation Branch Recreation Manual, Chapter 6
Agency Responsible:	Recreation Branch / Resources Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Reference_Year**		
Alias:	**Reference_Year**		

Forestry Term:	Reference Year
Description:	The calendar year for which the time dependent attributes in the layer are most reliable. For example, if time dependent attributes such as age and height are determined in a specific year (e.g. 1991), then that year is recorded as the reference year.
Content:	2 character numeric code indicating year for which the attributes are most reliable
Default:	Must have value
Permitted Values:	53 to present year
Use:	The reference year forms the base from which time dependent attributes with the layer are projected. It is also used to evaluate the currentness of the inventory (e.g. the date the information was captured/measured).
Linkage:	May be used in projecting stand values if Projection Year specified is less than Reference year.
Format:	Record type: Layer Field: 55 Type: Numeric Width: 2 Dec: Position: 197:198
Related Attribute:	Projected_Date
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Result_Area**
Alias:	**Result_Area**

Forestry Term:	Resultant Area
Description:	The area of the resultant polygon. The resultant area is determined during Overlay Processing. Resultant areas within a polygon must add to the entire polygon area.
Content:	5 character numeric value holding resulting area
Default:	Must have value
Permitted Values:	400.0 ha - cannot exceed 400.0 ha 0.4 ha
Use:	Used in all area based summaries that require overlay information (e.g. ownership, TSSA, operability, etc.).
Linkage:	Resultant areas should sum to Polygon_Area
Format:	Record type: Resultant Field: 18 Type: Numeric Width: 5 Dec: 1 Position: 51: 55
Related Attribute:	Resultant_No and all Forest cover and Resultant Attributes

References:	Ministry of Forests, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**Resultant_CNT**		
Alias:	**Resultant_CNT**		

Forestry Term:	Number of Resultant Re
Description:	The number of Resultant records (each resultant polygon in the stand is recorded as a separate record) that are stored in the FIP file for the particular polygon being described.
Content:	2 character numeric value indicating the number of Resultant records per polygon.
Default:	Must have value, may be 0.
Permitted Values:	0 to 999
Use:	Used to ensure that users accessing FIP file information process the correct number of resultant records for the stand.
Linkage:	Links to Resultant records.
Format:	Record type: Polygon Field: 22 Type: Numeric Width: 3 Dec: Position: 77: 79
Related Attribute:	record_Type_Cd

References:	Ministry of Forests, Resources Inventory Branch FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Version
Attribute:	**Resultant_Ind**
Alias:	**Resultant_Cd**

Forestry Term:	Resultant Record Indicat
Description:	A code indicating the presence or absence of resultant records in the FIP file.
Content:	Code indicating presence or absence of resultant records in the FIP file.
Default:	Must have value
Permitted Values:	N Resultants do not exist Y Resultants exist
Use:	Indicates the presence or absence of Resultant Level records
Linkage:	None
Format:	Record type: Version Field: 10 Type: Character Width: 1 Dec: Position: 64: 64
Related Attribute:	Record_Type_Cd

References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Resultant_No**	
Alias:	**Resultant_No**	

Forestry Term:	Resultant Number
Description:	A unique number for each of the resultant polygons in the stand. The resultant numbers are generated during overlay processing.
Content:	5 character numeric value holding resultant number
Default:	Must have value
Permitted Values:	1 3278
Use:	The resultant number is used by Geographic Information Systems (GIS) to provide the linkage between the overlaid GIS file and its related data base.
Linkage:	None
Format:	Record type: Resultant Field: 10 Type: Numeric Width: 5 Dec: Position: 34: 38
Related Attribute:	Result_Area and all Forest cover and Resultant Attributes

References:	Ministry of Forests, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Road_Area**	
Alias:	**Road_Area**	

Forestry Term:	Road Area
Description:	Area in the polygon that is removed from the Productive Forest Land Base due to the presence of roads within the polygon.
Content:	4 character numeric code holding area (ha) hectare
Default:	0.0
Permitted Values:	2.7 ha
Use:	Used to remove (subtract) area from the Contributing Land Base that is not available due to the presence of roads.
Linkage:	None
Format:	Record type: Resultant Field: 19 Type: Numeric Width: 4 Dec: 1 Position: 56: 59
Related Attribute:	Result_Area

References:	Ministry of Forests, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory, District/Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Polygon		
Attribute:	**Sec_Util_Lvl_Cd**		
Alias:	**Sec_Util_Lvl_Cd**		

Forestry Term:	*Secondary Utilization Le*
Description:	The utilization level defines the stump height and top diameter, inside bark, between which the volume of individual trees are determined. The secondary level of utilization refers to a "medium" use of the individual trees in determining stand volumes for Timber Supply Analyses. For example, volumes per hectare in the Interior Region, include trees with a stump inside bark diameter of 15.5 cm or greater (utilization code '08'). Attributes that are used to determine volumes by different utilization levels include: stump height, stump inside bark diameter, top inside bark diameter, main stem taper.
Content:	2 character numeric code indicating one of 2 possible utilization levels
Default:	Must have value
Permitted Values:	08 17.5 cm + inside bark diameter at 30 cm stump height to a 10 cm inside bark top diameter. Secondary utilization level for Interior stands 10 22.5 cm + inside bark diameter at 30 cm stump height to a 10 cm inside bark top diameter. Secondary utilization level for Coast stands
Use:	Used to determine volumes per hectare for data summaries and reporting, as well as volumes per hectare for Timber Supply Analyses.
Linkage:	Determined by Coast_Interior_Cd field; Linked to volume and diameter assignment.
Format:	Record type: Polygon Field: 15 Type: Numeric Width: 2 Dec: Position: 57: 58
Related Attribute:	Vol_per_ha_spp_1_sec_util_lvl to Vol_per_ha_spp_6_sec_util_lvl, mean_diameter_pri_util_lvl, culmination_mai_sec_lvl, stand_ba_sec_lvl, projected_ba_sec_util and coast_interior_cd

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Polygon	
Attribute:	**Secondary_Element_Cd**	
Alias:	**Secondary_Element_Cd**	

Forestry Term:	Secondary Layers for C
Description:	A code indicating that the stand has a secondary layer despite being described as having only one layer in the FIP file (i.e. only one Layer Record). The code defines the "type" of secondary layer; for example, Veterans, Immature, etc. This code is only found on records collected (e.g. CC Card Source Records) prior to the present method of collecting and storing information by layer.
Content:	1 character numeric code indicating the presence and type
Default:	Blank
Permitted Values:	0 Immature component 1 Seed Tree 2 Veterans 3 Volume
Use:	Used to identify multi-layered stands where data source is from cc card source record (s).
Linkage:	None
Format:	Record type: Polygon Field: 17 Type: Character Width: 1 Dec: Position: 60: 60
Related Attribute:	Secondary_Element_Spp_Cd, Card_Source_Cd

References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Polygon	
Attribute:	**Secondary_Element_Spp_Cd**	
Alias:	**Secondary_Element_Spp_Cd**	

Forestry Term:	Secondary Element Spe
Description:	A code identifying the species composition for the secondary layer of stands with a secondary layer but only one layer record (see Secondary Layer for CC Records). A maximum of 3 species can be identified for each secondary element code.
Content:	2 character alpha code indicating species composition.
Default:	blank
Permitted Values:	B - Balsam
Use:	used to identify secondary species in multi-layered stands where the data source is cc card source record
Linkage:	None
Format:	Record type: Polygon Field: 18 Type: Character Width: 6 Dec: Position: 61:66
Related Attribute:	Secondary_Element_Cd, Card_Source_Cd
References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	History
Attribute:	**Separator_Char**
Alias:	**Separator_Char**

Forestry Term:	Activity Separation Char
Description:	A character to indicate if the historical activity was completed in a single year, or whether it occurred as discontinuous or continuous activity over several years. A blank character indicates that the activity was complete in a single year. A comma ',' indicates that the activity was discontinuous and occurred in more than one year. A dash '-' indicates that the activity was continuous over more than 1 year.
Content:	1 character alpha code indicating continuity of activity
Default:	Must have value, blank is a valid value
Permitted Values:	<Blank> : Infers that the activity took place in a single year. ' : Discontinuous activity - : Continuous activity
Use:	Used to distinguish continuous from discontinuous activity
Linkage:	None
Format:	Record Type: History Field Name: Field: 9 Type: Character Width: 1 Dec: Position: 25: 25
Related Attribute:	Activity_Year_1, Activity_Year_2

References:	Ministry of Forests, Resources Inventory Branch
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**Site_Class_5m**
Alias:	**Site_Class_5M**

Forestry Term:	5 Metre Site Classes
Description:	Site Index assigned to the closest 5m interval. For example, a site index of 12.4 is assigned a site class of 10. A site index of 12.5 is assigned a site class of 15.
Content:	2 character numeric value holding site index to the nearest 5m interval from 5 to 55 metres.
Default:	0
Permitted Values:	10 metre class 25 metre class
Use:	Used to provide a more detailed discrimination of site class. Historically, site classes were limited to Good, Medium, Poor and Low.
Linkage:	Calculated using Site_Index.
Format:	Record Type: Layer Field Name: Field: 64 Type: Numeric Width: 2 Dec: Position: 216:217
Related Attribute:	Site_index

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Site_Index**		
Alias:	**Site_Index**		

Forestry Term:	Site Index
Description:	An expression of the forest site quality based on stand age and height. Site index is determined using stand age, stand height and Ministry of Forests' and other site index equations. These equations are based on reference age 50 years bha (breast height age).
Content:	4 character numeric value for site index in metres at 50 bha (breast height age)
Default:	0.0 m
Permitted Values:	32.5 metres
Use:	Used extensively in Timber Supply Analyses and Local Resource Use Plans (LRUPs) for determining the Contributing Land Base and assigning net-downs.
Linkage:	Site_index is calculated using stand_age, stand_height and coefficients based on tree_speceis_cd_1 and coast_interior_cd. Site_index was historically used to calculate Hist_Class_S for some stands. Used in the derivation of projected height and in the assignment of volumes and diameters.
Format:	Record type: Layer Field: 62 Type: Numeric Width: 4 Dec: 1 Position: 210:213
Related Attribute:	Tree_Species_Cd_1, Stand_Age, Stand_Height

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Site_Index_Estimated**	
Alias:	**Site_Index_Estimated**	

Forestry Term:	Estimated Site Index
Description:	The estimated site index assigned to a forest type when the site index derived from the stand age and height does not reflect the perceived or actual productivity of the stand. Estimated site index is required for young stands (e.g. less than30 years), for suppressed stands that have been released (e.g. after a disturbance) and for stands with TYPID 4, 5 and 9. Estimated Site Index is based on an assessment of the physical and biological factors.
Content:	2 character numeric value holding estimated site index in metres (bha 50)
Default:	0.0 m
Permitted Values:	17 metres
Use:	Used in assigning culmination mai for young stands in Timber Supply Analyses and Local Resource Use Plane (LRUPs). Also used as a basis for applying net-downs for low sites.
Linkage:	used in the derivation of projected height and in the assignment of volumes and diameters
Format:	Record Type: Layer Field Name: Field: 63 Type: Numeric Width: 2 Dec: Position: 214:215
Related Attribute:	Hist_Class_Site_Cd, Hist_Class, Special_Site_Cd, Tree_Species_Cd_1, Stand _Age, Stand_Height

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory, District

Model:	FIP Database VRI Data Model ☐
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**Site_Index_Estimated_Source_Cd**
Alias:	**Site_Index_Estimated_Source_Cd**

Forestry Term:	Estimated Site Index So
Description:	A code describing the source, or origin, of the estimated site index. Examples of source include ecological correlation, midpoint of old Ministry of Forests site class, growth intercept, etc.
Content:	1 character alpha code indicating source of site index
Default:	Blank
Permitted Values:	<blank> N/A M - Midpoint of Old MoF Site Class (GMPL) - derived from table during completion - for rollover process only, not a user entered value. S - Assigned by District Silviculture section I - Growth intercept H - Historic E - Ecological correlation A - Adjacent stand
Use:	Indicates the source of the estimated site index
Linkage:	Specified if Site_Index_Estimated is used; may be based on Hist_class_S
Format:	Record Type: Layer Field Name: Field: 36 Type: Character Width: 1 Dec: Position: 155:155
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_1
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database VRI Data Model ☐
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Slope**
Alias:	**Slope**

Forestry Term:	Slope
Description:	The slope (s), or gradient, of the land contained within the polygon. Slope is measured in degrees or percent.
Content:	Numeric value for degrees or percent
Default:	<blank>
Permitted Values:	<blank> 0 to 100
Use:	Used to define the operability of the area, including the selection of harvesting equipment and method.
Linkage:	None
Format:	Record type: Resultant Field: 37 Type: Numeric Width: 3 Dec: Position: 105:107
Related Attribute:	Elevation, Aspect_Cd, Result_Area

References:	Ministry of Forests, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model ☐
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Soil_Unit**	
Alias:	**Terrain_Unit**	

Forestry Term: Soil Unit

Description: Originally included to allow a soil unit polygon overlay. Has never been implemented. A soil unit is a defined and named, repetitive aggregate, of soil bodies occurring together in an individual and natural characteristic pattern over the soil landscape. The format of this attribute with reference to the terrain classification system is as follows:

Major Terrain Component
1 Major Percentile 50%
2 Terrain 1 texture
3 Terrain 1 genetic material
4 Surface expression

Minor Terrain Component
5 Minor Percentile 30%
6 Terrain 2 texture
7 Terrain 2 genetic material
8 Terrain 2 surface Expression

Very Minor Terrain Component
9 Terrain 3 percentile very minor 30%
10 Terrain 3 Texture
11 Terrain 3 genetic material

Modifiers
12 Major modifying processes
13 Minor modifying processes

Content: 13 character alpha code

Default: Blank

Permitted Values:

<blank>	
WO	Glaciomarine
W	Marine
V	Volcanic
U	Undifferentiated
R	Bedrock
O	Organic
M	Morainal
LO	Glaciolacustrine
L	Lacustrine
I	Ice
FO	Glaciofluvial
F	Fluvial
E	Eolian
D	Weathered Bedrock (in situ)
C	Colluvial
A	Anthropogenic

Use: Has never been used

Linkage: None

Format: Record type: Resultant
Field: 41
Type: Character

Width: 13
Dec:
Position: 118:130

Related Attribute: None

References: Ministry of Environment, Lands and Parks

Agency Responsible: Ministry of Environment, Lands and Parks

Model: FIP Database VRI Data Model ✔
Subject Area: FIP
Entity Type: Forest_Inventory_Planning
Subtype: Resultant
Attribute: Special_Cruise_Number
Alias: PSYU

Forestry Term: Public Sustained Yield U

Description: The numeric code of the Public Sustained Yield Unit (s) (PSYU) that fall within the forest cover polygon. PSYUs are areas of land, usually a natural topographic unit determined by drainage areas. Includes PSYUs, Tree Farm Licences (TFL), Tree Farms (TF), Major Parks and Ecological Reserves, Woodlot Licences, and miscellaneous areas.

Content: 4 character numeric code which references the respective PSYU, TFL, etc.

Default: 9999 - area outside PSYU's

Permitted Values: Refer to FRGIS for complete listing

9999 - area outside PSYU's, eq Victoria-Saanich, Vancouver-Delta and areas outside Province.

131 - Upper Kootenay PSYU
161 - Fernie PSYU
314 - TFL 14

Use: Used to indicate the area of the polygon that is located within a PSYU, TFL, TF, Woodlot, etc. Used in conjunction with the Forest Inventory Zone to assign stand volumes. Also used in net-downs associated with Environmentally Sensitive Areas in Timber Supply Analyses.

Linkage: Used as index for look up of DWB coefficients/factors when netting down gross volumes.

Format: Record type: Resultant
Field: 6
Type: Numeric
Width: 4
Dec:
Position: 17:20

Related Attribute: Special_Cruise_Number_Code, Ownership_Cd, Ownership_Character_Cd, Vol_per_Ha_Spp_1_Pri_Util_lvl to Vol_per_Ha_Spp_6_Sec_Util_lvl, Result_Area

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.

Agency Responsible: Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Resultant		
Attribute:	**Special_Cruise_Number_Code**		
Alias:	**PSYU_Block**		

Forestry Term:	Public Sustained Yield U
Description:	The numbers of the Public Sustained Yield Unit (PSYU) Block (s) that fall within the forest cover polygon. PSYU Blocks are subdivisions of a PSYU, and indicate the presence of a sub-unit survey (i.e. 1:10,000 scale inventory).
Content:	1 character alpha code indicating a sub-unit survey
Default:	Blank
Permitted Values:	<blank> Non sub-unit survey 9 Sub-unit exist
Use:	Used to indicate the area of the polygon that is located within a PSYU Block. Also used to identify the presence of a sub-unit survey.
Linkage:	None
Format:	Record type: Resultant Field: 7 Type: Character Width: 1 Dec: Position: 21:21
Related Attribute:	Special_Cruise_Number, Ownership_Cd, Ownership_Character_Cd, Vol_per_Ha_Spp_1_Pri_Util_lvl to Vol_per_Ha_Spp_6_Sec_Util_lvl, Result_Area

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps.
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**Stand_Age**
Alias:	**Stand_Age**

Forestry Term:	Stand Ate at Reference
Description:	The age of a stand at the time of classification. Stand age is based on a ring count from a bored core plus a correction for the age of the tree below the core sample height. Stand age can also be based on an estimate from aerial photographs.
Content:	3 character numeric value holding stand age in years
Default:	0
Permitted Values:	195 years
Use:	Used in the determination of site index, and as a base for projecting stand attributes.
Linkage:	May be calculated from Age_Class_Cd; may be used to calculate age_class_cd. Used to determine maturity in forest stands, i.e. type_identifty_reference 1 and 2.
Format:	Record type: Layer Field: 38 Type: Numeric Width: 3 Dec: Position: 157:159
Related Attribute:	Age_Class_Cd

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Stand_Ba_Pri_Lvl**		
Alias:	**Stand_Ba_Pri_Lvl**		

Forestry Term:	Basal Area - Primary Util
Description:	Basal Area, in square metres per hectare, of all trees above the primary utilization level at the Reference Year. The Basal Area is based on the outside bark cross selection at breast height.
Content:	5 character numeric value holding basal area
Default:	0.0
Permitted Values:	7.2 m2
Use:	Planned input for Growth Models
Linkage:	Calculated using Stand_age,site_index and coefficients based on inventory_type_group_source_cd, Fiz code and pr
Format:	Record Type: Layer Field Name: Field: 72 Type: Numeric Width: 5 Dec: 1 Position: 236:240
Related Attribute:	Coast_interior_cd, ree_species_cd1, tree_species_cd2, site_index, stand_age, crown_closure
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Stand_Ba_Sec_Lvl**	
Alias:	**Stand_Ba_Sec_Lvl**	

Forestry Term:	Basal Area - Secondary
Description:	Basal Area, in square metres per hectare, of all trees above the secondary utilization level at the Year of Projection. The basal Area is based on the outside bark cross section at breast height.
Content:	5 character numeric value holding basal area.
Default:	0.0
Permitted Values:	6.9 m2
Use:	Planned input for Growth Models
Linkage:	Calculated using Projected_age, site_index, and coefficients based on inventory_type_group_source_cd, fiz_code and Pri_Util_Lvl_cd. Multiplied by table-lookup of stems/ha.
Format:	Record Type: Layer Field Name: Field: 73 Type: Numeric Width: 5 Dec: 1 Position: 241:245
Related Attribute:	Coast_interior_cd, Tree_species_Cd_1, Tree_species_Cd_2, Site_index, Projected_age, Crown_closure_air
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section.
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Stand_Establishment_Year**	
Alias:	**Stand_Establishment_Year**	

Forestry Term:	Year of Stand Establish
Description:	The year the stand layer was established.
Content:	4 character numeric code holding calendar year of stand
Default:	0
Permitted Values:	1991
Use:	Used together with layer history information (History Records) to track Silvicultural activities within the layer.
Linkage:	Calculated using Stand_Age and Reference_Year. Used in the completion process to calculate Projected_Age
Format:	Record type: Layer Field: 65 Type: Numeric Width: 4 Dec: Position: 218:221
Related Attribute:	Stand_Age

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Stand_Height**	
Alias:	**Stand_Height**	

Forestry Term:	Stand Height at Referen
Description:	Height of the stand as measured or estimated at the reference year. For field work (e.g. stand measurements) performed before 1988, stand height is based on the weighted average height of co-dominant and dominant trees of the leading species. The weighted average is a ratio of 2:1 for co-dominant versus dominant trees. For measurements taken after 1988, stand height is based on the top height of the leading species.
Content:	4 character numeric value holding stand height in metres
Default:	0.0 m
Permitted Values:	29.5 m
Use:	Used to determine the height increment due to projection.
Linkage:	May be calculated using height_class_cd; may be used at calculate height_class_cd; used in calculation of site_index
Format:	Record type: Layer Field: 44 Type: Numeric Width: 4 Dec: 1 Position: 170:173
Related Attribute:	Card_Source

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Stems_Per_Hectare**	
Alias:	**Density**	

Forestry Term:	Stems Per Hectare
Description:	The number of trees per hectare in a layer. Stems per hectare is a direct measure of stand density.
Content:	6 character numeric value holding the number of stems per hectare
Default:	0
Permitted Values.	1 to 999999
Use:	Used in planning Silvicultural Treatments such as spacing/thinning, etc.
Linkage:	None
Format:	Record type: Layer Field: 50 Type: Numeric Width: 6 Dec: Position: 184:189
Related Attribute:	Well_Spaced_Stems

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Stock_Range_NBR**	
Alias:	**Stock_Range_NBR**	

Forestry Term:	Stock Range
Description:	The Stock Range (s) that fall within the forest cover polygon. A stock range is an area defined by a boundary established by regulation (gazetted) that encompasses a collection of Range Units. It is most often represented by a Livestock Association.
Content:	3 character numeric code cross-referencing the Stock Range name
Default:	700
Permitted Values:	700 Unreported 599 Unorganised (99), Nelson Region (5) 629 150 Mile 605 Barker
Use:	Used to indicate the area of the polygon located within a stock range. Used for general range management purposes, forage summaries, monitoring range utilization, conducting invader/weed species inventories, etc.
Linkage:	None
Format:	Record type: Resultant Field: 25 Type: Numeric Width: 3 Dec: Position: 73: 75
Related Attribute:	Range_Unit_NBR, Range_Pasture, Forest_Region, Result_Area

References:	Range Manual (Draft)
Agency Responsible:	Range Management District/Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Stocking_Class_Cd**		
Alias:	**Stocking_Class_Cd**		

Forestry Term:	Stocking Class at Refere
Description:	A code describing the stocking class of the layer at the reference year. Stocking class is based on leading commercial species, stand age and/or the size (diameter) and number of stems per hectare.
Content:	1 character alpha code indicating stocking class
Default:	Blank
Permitted Values:	R Residual 0 Immature Stands 1 Stocking Class 1 2 Stocking Class 2 3 Stocking Class 3 4 Stocking Class 4
Use:	Used extensively in identifying stands which contribute to the timber supply. Stocking Class 2, 3 and 4 stands are frequently netted-out of the Contributing Land Base.
Linkage:	Stocking class may be calculated using a table indexed by inventory_type_group_source_cd, crown_closure_class, height_class_cd and age_class_cd or it may be estimated using inventory_type_group_source_cd and stand_age. Stocking class is used in calculating all volumes.
Format:	Record type: Layer Field: 52 Type: Character Width: 1 Dec: Position: 194:194
Related Attribute:	Stocking_Class_Source_Cd, Vol_Per_Ha_Spp_1_Pri_Util_Lvl to Vol_Per_Ha_Spp_1_Sec_Util_Lvl

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District/ Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Stocking_Class_Source_Cd**		
Alias:	**Stocking_Class_Source_Cd**		

Forestry Term:	Stocking Class Source C
Description:	A code indicating whether the layer's stocking class was input (e.g. measured or estimated) or derived.
Content:	1 character alpha code holding stocking class source code
Default:	Blank
Permitted Values:	T Table derived I Input D Derived
Use:	Indicates the reliability of the stocking class code
Linkage:	Stocking class source is set based on origin of stocking_class_cd.
Format:	Record type: Layer Field: 53 Type: Character Width: 1 Dec: Position: 195:195
Related Attribute:	Stocking_Class_Cd

References:	Ministry of Forests, Resources Inventory Branch, Resource Inventory Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Cd_1**		
Alias:	**Tree_Species_Cd_1**		

Forestry Term: Species Composition - L

Description: A code describing the leading commercial species in the layer. The species with the leading highest percent composition (e.g. gross volume or, if a very young stand, the relative number of stems per hectare) is identified as the leading commercial species. Species must be above a specified diameter to be recognized in the species composition of the layer. Species are described in terms of Genus, Species, and five genus values recognized in the Province.

Content: 3 character alpha code indicating commercial species

Default: blank

Permitted Values:

<blank> No species recorded
AC Balsam poplar (Populus balsamifera)
Black Cottonwood (Populus balsamifera)

AT Aspen (Populus tremuloides)
B True fir (Abies spp.)
BL Alpine fir (Abies lasiocarpa)
BA Amabalise fir (Abies amabalis)
BG Grand fir (Abies grandis)
CW Western red cedar (Thuja plicata)
DR Red Alder (Alnus rubra)
E Birch (Betula spp.)
EP Comon paper birch (Betula papyrifera)
EA Alaska paper birch (Betula neoalaskansa)
FD Douglas fir (Pseudotsuga menziesii)
H Hemlocks (Tsuga spp.)
HW Western hemlock (Tsuga heterophylla)
HM Mountain hemlock (Tsuga mertensiana)
L Larch (Larix spp.)
LA Alpine larch (Larix lyalli)
LT Tamarack (Larix laricina)
LW Western larch (occidentalis)
MB Broadleaf maple (Acer macrophyllum)
PF Limber pine (Pinus flexilis)
PL Lodgepole pine (Pinus contorta)
PW Western white pine (Pinus monticola)
PA Whitebark pine (Pinus albicalis)
PY Yellow pine (Pinus banksiana)
PJ Jack pine (Pinus banksiana)
S Spruce (Picea spp.)
SB Black spruce (Picea mariana)
SE Engelmann spruce (Picea engelamannii)
SS Sitka spruce (Picea sitchensis)
SW White spruce (Picea glauca)
YC Yellow cedar (Chamaecparis nootkatensis)

Brush Species
DM Mountain alder (Alnus incana)
R Arbutus (Arbutus menziesii)
EW Water birch (Betula occidentalis)

Use: The Tree Species Code is used in determining:
- species composition;
- stand volume;
- stand decay, waste and breakage, net-downs in Timber Supply Analyses

Linkage:	Linkages exist to volume, decay, waste and breakage, etc.
Format:	Record type: Layer Field: 10 Type: Character Width: 3 Dec: Position: 25: 27
Related Attribute:	Tree_Species_Pct_1 to Tree_Species_Pct_6, Tree_Species_Cd_2 to Tree_Species_Cd_6, vol_per_ha_spp_1_pri_util_lvl to vol_per_ha_spp_6_sec_util_lvl
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model ✔
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**Tree_Species_Cd_2**
Alias:	**Tree_Species_Cd_2**

Forestry Term: Species Composition - S

Description: A code describing the second commercial species in the layer. The species with the second highest percent composition (e.g. gross volume or, if a very young stand, the relative number of stems per hectare) is identified as the second commercial species. Species must be above a specified diameter to be recognized in the species composition of the layer. Species are described in terms of Genus, Species, and five genus values recognized in the Province.

Content: 3 character alpha code indicating commercial species

Default: blank

Permitted Values:

<blank> No species recorded
AC Balsam poplar (Populus balsamifera)
Black Cottonwood (Populus balsamifera)

AT Aspen (Populus tremuloides)
B True fir (Abies spp.)
BL Alpine fir (Abies lasiocarpa)
BA Amabalise fir (Abies amabalis)
BG Grand fir (Abies grandis)
CW Western red cedar (Thuja plicata)
DR Red Alder (Alnus rubra)
E Birch (Betula spp.)
EP Comon paper birch (Betula papyrifera)
EA Alaska paper birch (Betula neoalaskansa)
FD Douglas fir (Pseudotsuga menziesii)
H Hemlocks (Tsuga spp.)
HW Western hemlock (Tsuga heterophylla)
HM Mountain hemlock (Tsuga mertensiana)
L Larch (Larix spp.)
LA Alpine larch (Larix lyalli)
LT Tamarack (Larix laricina)
LW Western larch (occidentalis)
MB Broadleaf maple (Acer macrophyllum)
PF Limber pine (Pinus flexilis)
PL Lodgepole pine (Pinus contorta)
PW Western white pine (Pinus monticola)
PA Whitebark pine (Pinus albicalis)
PY Yellow pine (Pinus banksiana)
PJ Jack pine (Pinus banksiana)
S Spruce (Picea spp.)
SB Black spruce (Picea mariana)
SE Engelmann spruce (Picea engelamannii)
SS Sitka spruce (Picea sitchensis)
SW White spruce (Picea glauca)
YC Yellow cedar (Chamaecparis nootkatensis)

Brush Species
DM Mountain alder (Alnus incana)
R Arbutus (Arbutus menziesii)
EW Water birch (Betula occidentalis)

Use: The Tree Species Code is used in determining:
- species composition;
- stand volume;
- stand decay, waste and breakage, net-downs in Timber Supply Analyses

Linkage:	Linkages exist to volume, decay, waste and breakage, etc.
Format:	Record type: Layer Field: 10 Type: Character Width: 3 Dec: Position: 31: 33
Related Attribute:	Tree_Species_Pct_1 to Tree_Species_Pct_6, Tree_Species_Cd_2 to Tree_Species_Cd_6, vol_per_ha_spp_1_pri_util_lvl to vol_per_ha_spp_6_sec_util_lvl
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Cd_3**		
Alias:	**Tree_Species_Cd_3**		

Forestry Term: Species Composition - t

Description: A code describing the third commercial species in the layer. The species with the third highest percent composition (e.g. gross volume or, if a very young stand, the relative number of stems per hectare) is identified as the third commercial species. Species must be above a specified diameter to be recognized in the species composition of the layer. Species are described in terms of Genus, Species, and five genus values recognized in the Province.

Content: 3 character alpha code indicating commercial species

Default: blank

Permitted Values:

<blank> No species recorded
AC Balsam poplar (Populus balsamifera)
Black Cottonwood (Populus balsamifera)

AT Aspen (Populus tremuloides)
B True fir (Abies spp.)
BL Alpine fir (Abies lasiocarpa)
BA Amabalise fir (Abies amabalis)
BG Grand fir (Abies grandis)
CW Western red cedar (Thuja plicata)
DR Red Alder (Alnus rubra)
E Birch (Betula spp.)
EP Comon paper birch (Betula papyrifera)
EA Alaska paper birch (Betula neoalaskansa)
FD Douglas fir (Pseudotsuga menziesii)
H Hemlocks (Tsuga spp.)
HW Western hemlock (Tsuga heterophylla)
HM Mountain hemlock (Tsuga mertensiana)
L Larch (Larix spp.)
LA Alpine larch (Larix lyalli)
LT Tamarack (Larix laricina)
LW Western larch (occidentalis)
MB Broadleaf maple (Acer macrophyllum)
PF Limber pine (Pinus flexilis)
PL Lodgepole pine (Pinus contorta)
PW Western white pine (Pinus monticola)
PA Whitebark pine (Pinus albicalis)
PY Yellow pine (Pinus banksiana)
PJ Jack pine (Pinus banksiana)
S Spruce (Picea spp.)
SB Black spruce (Picea mariana)
SE Engelmann spruce (Picea engelamannii)
SS Sitka spruce (Picea sitchensis)
SW White spruce (Picea glauca)
YC Yellow cedar (Chamaecparis nootkatensis)

Brush Species
DM Mountain alder (Alnus incana)
R Arbutus (Arbutus menziesii)
EW Water birch (Betula occidentalis)

Use: The Tree Species Code is used in determining:
- species composition;
- stand volume;
- stand decay, waste and breakage, net-downs in Timber Supply Analyses

Linkage:	Linkages exist to volume, decay, waste and breakage, etc.
Format:	Record type: Layer Field: 14 Type: Character Width: 3 Dec: Position: 37: 39
Related Attribute:	Tree_Species_Pct_1 to Tree_Species_Pct_6, Tree_Species_Cd_2 to Tree_Species_Cd_6, vol_per_ha_spp_1_pri_util_lvl to vol_per_ha_spp_6_sec_util_lvl
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Cd_4**		
Alias:	**Tree_Species_Cd_4**		

Forestry Term:	Species Composition - F
Description:	A code describing the fourth commercial species in the layer. The species with the fourth highest percent composition (e.g. gross volume or, if a very young stand, the relative number of stems per hectare) is identified as the fourth commercial species. Species must be above a specified diameter to be recognized in the species composition of the layer. Species are described in terms of Genus, Species, and five genus values recognized in the Province.
Content:	3 character alpha code indicating commercial species
Default:	blank
Permitted Values:	<blank> No species recorded AC Balsam poplar Populus balsamifera Black Cottonwood Populus balsamifera AT Aspen Populus tremuloides B True fir Abies spp.
Use:	The Tree Species Code is used in determining: - species composition; - stand volume; - stand decay, waste and breakage, net-downs in Timber Supply Analyses
Linkage:	Linkages exist to volume, decay, waste and breakage, etc.
Format:	Record type: Layer Field: 16 Type: Character Width: 3 Dec: Position: 43: 45
Related Attribute:	Tree_Species_Pct_1 to Tree_Species_Pct_6, Tree_Species_Cd_2 to Tree_Species_Cd_6, vol_per_ha_spp_1_pri_util_lvl to vol_per_ha_spp_6_sec_util_lvl
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model ✔
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**Tree_Species_Cd_5**
Alias:	**Tree_Species_Cd_5**

Forestry Term:	Species Composition - F
Description:	A code describing the fifth commercial species in the layer. The species with the fifth highest percent composition (e.g. gross volume or, if a very young stand, the relative number of stems per hectare) is identified as the fifth commercial species. Species must be above a specified diameter to be recognized in the species composition of the layer. Species are described in terms of Genus, Species, and five genus values recognized in the Province.
Content:	3 character alpha code indicating commercial species
Default:	blank
Permitted Values:	<blank> No species recorded AC Balsam poplar Populus balsamifera Black Cottonwood Populus balsamifera AT Aspen Populus tremuloides B True fir Abies spp.
Use:	The Tree Species Code is used in determining: - species composition; - stand volume; - stand decay, waste and breakage, net-downs in Timber Supply Analyses
Linkage:	Linkages exist to volume, decay, waste and breakage, etc.
Format:	Record type: Layer Field: 18 Type: Character Width: 3 Dec: Position: 49: 51
Related Attribute:	Tree_Species_Pct_1 to Tree_Species_Pct_6, Tree_Species_Cd_2 to Tree_Species_Cd_6, vol_per_ha_spp_1_pri_util_lvl to vol_per_ha_spp_6_sec_util_lvl

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Cd_6**		
Alias:	**Tree_Species_Cd_6**		

Forestry Term: Species Composition - S

Description: A code describing the sixth commercial species in the layer. The species with the sixth highest percent composition (e.g. gross volume or, if a very young stand, the relative number of stems per hectare) is identified as the sixth commercial species. Species must be above a specified diameter to be recognized in the species composition of the layer. Species are described in terms of Genus, Species, and five genus values recognized in the Province.

Content: 3 character alpha code indicating commercial species

Default: blank

Permitted Values:

<blank> No species recorded
AC Balsam poplar (Populus balsamifera)
Black Cottonwood (Populus balsamifera)

AT Aspen (Populus tremuloides)
B True fir (Abies spp.)
BL Alpine fir (Abies lasiocarpa)
BA Amabalise fir (Abies amabalis)
BG Grand fir (Abies grandis)
CW Western red cedar (Thuja plicata)
DR Red Alder (Alnus rubra)
E Birch (Betula spp.)
EP Comon paper birch (Betula papyrifera)
EA Alaska paper birch (Betula neoalaskansa)
FD Douglas fir (Pseudotsuga menziesii)
H Hemlocks (Tsuga spp.)
HW Western hemlock (Tsuga heterophylla)
HM Mountain hemlock (Tsuga mertensiana)
L Larch (Larix spp.)
LA Alpine larch (Larix lyalli)
LT Tamarack (Larix laricina)
LW Western larch (occidentalis)
MB Broadleaf maple (Acer macrophyllum)
PF Limber pine (Pinus flexilis)
PL Lodgepole pine (Pinus contorta)
PW Western white pine (Pinus monticola)
PA Whitebark pine (Pinus albicalis)
PY Yellow pine (Pinus banksiana)
PJ Jack pine (Pinus banksiana)
S Spruce (Picea spp.)
SB Black spruce (Picea mariana)
SE Engelmann spruce (Picea engelamannii)
SS Sitka spruce (Picea sitchensis)
SW White spruce (Picea glauca)
YC Yellow cedar (Chamaecparis nootkatensis)

Brush Species
DM Mountain alder (Alnus incana)
R Arbutus (Arbutus menziesii)
EW Water birch (Betula occidentalis)

Use: The Tree Species Code is used in determining:
- species composition;
- stand volume;
- stand decay, waste and breakage, net-downs in Timber Supply Analyses

Linkage: Linkages exist to volume, decay, waste and breakage, etc.

Format:
Record type: Layer
Field: 20
Type: Character
Width: 3
Dec:
Position: 55: 57

Related Attribute: Tree_Species_Pct_1 to Tree_Species_Pct_6, Tree_Species_Cd_2 to Tree_Species_Cd_6, vol_per_ha_spp_1_pri_util_lvl to vol_per_ha_spp_6_sec_util_lvl

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification

Agency Responsible: Ministry of Forests, Resource Inventory, District

Model: FIP Database VRI Data Model ✔

Subject Area: FIP

Entity Type: Forest_Inventory_Planning

Subtype: Layer

Attribute: Tree_Species_Pct_1

Alias: Tree_Species_Percentage_1

Forestry Term: Percentage Species Co

Description: Percentage of the layer that the leading commercial species occupies. For older stands, tree species percentage is based on relative gross volume (i.e. whole stem volume); for younger stands, tree species percentage is based on the number of stems per hectare. Tree species percentage is estimated to the nearest percent for all living trees above a specified diameter

Content: 3 character numeric value holding percent composition

Default: Must have value, may be 0 if no species

Permitted Values: 100

Use: Tree Species Percentage is used in:
- determining stand volumes,
- identifying stands with specific species composition (i.e. pure),
net-downs in Timber Supply Analyses, etc.

Linkage: Linkage exist in determination of stand and species volumes

Format:
Record type: Layer
Field: 11
Type: Numeric
Width: 3
Dec:
Position: 28: 30

Related Attribute: Tree_Species_CD_1, Tree_Species_Pct_2 to Tree_Species_Pct_6

References: Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification

Agency Responsible: Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Pct_2**		
Alias:	**Tree_Species_Percentage_2**		

Forestry Term:	Percentage Species Co
Description:	Percentage of the layer that the second commercial species occupies. For older stands, tree species percentage is based on relative gross volume (i.e. whole stem volume); for younger stands, tree species percentage is based on the number of stems per hectare. Tree species percentage is estimated to the nearest percent for all living trees above a specified diameter
Content:	3 character numeric value holding percent composition
Default:	Must have value, may be 0 if no species
Permitted Values:	50
Use:	Tree Species Percentage is used in: - determining stand volumes, - identifying stands with specific species composition (i.e. pure), net-downs in Timber Supply Analyses, etc.
Linkage:	Linkage exist in determination of stand and species volumes
Format:	Record type: Layer Field: 13 Type: Numeric Width: 3 Dec: Position: 34: 36
Related Attribute:	Tree_Species_Pct_1 to Tree_Species_Pct_6, Tree_Species_CD_1 to Tree_Species_CD_6

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Pct_3**		
Alias:	**Tree_Species_Percentage_3**		

Forestry Term:	Percentage Species Co
Description:	Percentage of the layer that the third commercial species occupies. For older stands, tree species percentage is based on relative gross volume (i.e. whole stem volume); for younger stands, tree species percentage is based on the number of stems per hectare. Tree species percentage is estimated to the nearest percent for all living trees above a specified diameter
Content:	3 character numeric value holding percent composition
Default:	Must have value, may be 0 if no species
Permitted Values:	30
Use:	Tree Species Percentage is used in: - determining stand volumes, - identifying stands with specific species composition (i.e. pure), net-downs in Timber Supply Analyses, etc.
Linkage:	Linkage exist in determination of stand and species volumes
Format:	Record type: Layer Field: 15 Type: Numeric Width: 3 Dec: Position: 40: 42
Related Attribute:	Tree_Species_Pct_1 to Tree_Species_Pct_6, Tree_Species_CD_2 to Tree_Species_CD_6

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Pct_4**		
Alias:	**Tree_Species_Percentage_4**		

Forestry Term:	Percentage Species Co
Description:	Percentage of the layer that the fourth commercial species occupies. For older stands, tree species percentage is based on relative gross volume (i.e. whole stem volume); for younger stands, tree species percentage is based on the number of stems per hectare. Tree species percentage is estimated to the nearest percent for all living trees above a specified diameter
Content:	3 character numeric value holding percent composition
Default:	Must have value, may be 0 if no species
Permitted Values:	10
Use:	Tree Species Percentage is used in: - determining stand volumes, - identifying stands with specific species composition (i.e. pure), net-downs in Timber Supply Analyses, etc.
Linkage:	Linkage exist in determination of stand and species volumes
Format:	Record type: Layer Field: 17 Type: Numeric Width: 3 Dec: Position: 46: 48
Related Attribute:	Tree_Species_PCT_1 to Tree_Species_Pct_6, Tree_Species_Cd_2 to Tree_Species_Cd_6

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Pct_5**		
Alias:	**Tree_Species_Percentage_5**		

Forestry Term:	Percentage Species Co
Description:	Percentage of the layer that the fifth commercial species occupies. For older stands, tree species percentage is based on relative gross volume (i.e. whole stem volume); for younger stands, tree species percentage is based on the number of stems per hectare. Tree species percentage is estimated to the nearest percent for all living trees above a specified diameter
Content:	3 character numeric value holding percent composition
Default:	Must have value, may be 0 if no species
Permitted Values:	10
Use:	Tree Species Percentage is used in: - determining stand volumes, - identifying stands with specific species composition (i.e. pure), net-downs in Timber Supply Analyses, etc.
Linkage:	Linkage exist in determination of stand and species volumes
Format:	Record type: Layer Field: 19 Type: Numeric Width: 3 Dec: Position: 52: 54
Related Attribute:	Tree_Species_CD_5, Tree_Species_Pct_2 to Tree_Species_Pct_6

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Tree_Species_Pct_6**		
Alias:	**Tree_Speciees_Percentage_6**		

Forestry Term:	Percentage Species Co
Description:	Percentage of the layer that the sixth commercial species occupies. For older stands, tree species percentage is based on relative gross volume (i.e. whole stem volume); for younger stands, tree species percentage is based on the number of stems per hectare. Tree species percentage is estimated to the nearest percent for all living trees above a specified diameter
Content:	3 character numeric value holding percent composition
Default:	Must have value, may be 0 if no species
Permitted Values:	10
Use:	Tree Species Percentage is used in: - determining stand volumes, - identifying stands with specific species composition (i.e. pure), net-downs in Timber Supply Analyses, etc.
Linkage:	Linkage exist in determination of stand and species volumes
Format:	Record type: Layer Field: 21 Type: Numeric Width: 3 Dec: Position: 58: 60
Related Attribute:	Tree_Species_CD_6 , Tree_Species_Pct_1 to Tree_Species_Pct_5

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**TSA_Number**	
Alias:	**TSA_Number**	

Forestry Term: Timber Supply Area Nu

Description: The numeric code of the Timber Supply Area (s) (TSA) that fall within the forest cover polygon. TSA's are areas of the province created by the Ministry of Forests for the purpose of analysis, planning, and management of timber resources. Boundaries have been determined on the basis of present and expected population centres, transportation networks, manufacturing facilities, and existing administrative boundaries.

Content: 2 character numeric code designating TSA number

Default: Must have value

Permitted Values:

01 Arrow TSA
02 Boundary TSA
03 Bulkley TSA
04 Cassiar TSA
05 Cranbrook TSA
06 Peace TSA (inactive, kept for historical purposes)
07 Golden TSA
08 Fort Nelson TSA
09 Invermere TSA
10 Kalum TSA
11 Kamloops TSA
12 Kispiox TSA
13 Kootenay Lake TSA
14 Lakes TSA
15 Lillooet TSA
16 Mackenzie TSA
17 Robson Valley TSA
18 Merritt TSA
19 Mid-Coast TSA
20 Morice TSA
21 North Coast TSA
22 Okanagan TSA
23 100 Mile House TSA
24 Prince George TSA
25 Queen Charlotte TSA
26 Quesnel TSA
27 Revelstoke TSA
29 Williams Lake TSA
30 Fraser TSA
31 Soo TSA
32 Quadra TSA (inactive, kept for historical purposes)
33 Kingcome TSA
34 Nooka TSA (inactive, kept for historical purposes)
35 Island TSA (inactive, kept for historical purposes)
36 Meziaden TSA (inactive, kept for historical purposes)
37 Strathcona TSA
38 Arrowsmith TSA
40 Fort St. John TSA
41 Dawson Creek TSA
42 Cranberry TSA

Use: Used to indicate the area of the polygon that is located within a TSA. Used in Timber Supply Analyses for determining the Timber Supply, as well as assigning aggregated yield estimates for determination of Long Run Sustained Yield (LRSY).

Linkage: None

Format:	Record type: Resultant Field: 4 Type: Numeric Width: 2 Dec: Position: 14:15
Related Attribute:	TSB_Number, Result_Area
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model ☐
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**TSB_Number**	
Alias:	**TSB_Number**	

Forestry Term:	Timber Supply Block
Description:	The Timber Supply Block (s) that fall within the forest cover polygon. Timber Supply Block's represent a sub-division of a Timber Supply Area.
Content:	1 character alpha code designating supply block
Default:	Must have Value
Permitted Values:	A Supply Block A B Supply Block B C Supply Block C D Supply Block D E Supply Block E F Supply Block F G Supply Block G H Supply Block H
Use:	Used to indicate the area of a polygon that is located within a Timber Supply Block. Timber Supply Blocks area used as administrative units, planning units, and in assigning net-downs for timber supply units.
Linkage:	Links with TSA_Number
Format:	Record type: Resultant Field: 5 Type: Numeric Width: 1 Dec: Position: 16:16
Related Attribute:	TSA_Number, Result_Area
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Layer	
Attribute:	**Type_Identity_Reference**	
Alias:	**Type_Identity_Reference**	

Forestry Term:	Type Identity at Referen
Description:	Classification derived from the layer's vegetation cover at the time of data collection (i.e. reference year). The classification reflects the value, importance, or status of the vegetation cover with respect to forestry values. Classifications are distinct, and range from 1 to 9.
Content:	1 character numeric code for Type Identity
Default:	Must have value
Permitted Values:	1 Immature (always stocking class 0) 2 Mature (stocking classes 1, 2, 3, 4) 3 Immature/Residual (stocking class R) 4 N.S.R. (Non Sufficiently Restocked) 5 N.C. (Non-Commercial) 6 Non-Productive (includes all N.P.D) 8 N.T.A. (No Typing Available) 9 Silviculture based information with NSR
Use:	Used in conjunction with Projected Type Identity (vegetation cover at the projection date) to identify changes due to projection.
Linkage:	Type_identity_reference is determined based on Tree_Species_Cd_1, Tree_Species_Cd_2, Stand_Age, Stocking_class_cd and/or Non_Productive_Forest_Descriptor, Non_Forest_Descriptor
Format:	Record type: Layer Field: 37 Type: Numeric Width: 1 Dec: Position: 156:156
Related Attribute:	Non_Productive_Forest_Descriptor, Non_Forest_Descriptor, Stocking_Class_Cd, Age_Class_Cd
References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Forest Classification
Agency Responsible:	Ministry of Forests, Resource Inventory, District/Branch

Model:	FIP Database	VRI Data Model
Subject Area:	FIP	
Entity Type:	Forest_Inventory_Planning	
Subtype:	Resultant	
Attribute:	**Update_Date**	
Alias:	**Date_Update**	

Forestry Term:	Update Date
Description:	The data overlay processing was completed. This process involves overlaying levels contained in the Graphics Design File with the forest cover map (levels 9 and 10) to create resultant polygons. Stored as YYYYMMDD.
Content:	2 character numeric field
Default:	Must have value
Permitted Values:	93
Use:	Allows the user to determine the currentness of the forest cover attribute information.
Linkage:	None
Format:	Record type: Resultant Field: 11 Type: Numeric Width: 2 Dec: Position: 39: 40
Related Attribute:	Projected_Date

References:	Ministry of Forests, Resources Inventory Branch, FRGIS Section
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Layer
Attribute:	**Update_Reference_Year**
Alias:	**Update_Reference_Year**

Forestry Term:	Update Reference Year
Description:	The year in which the polygon attributes in this layer (e.g. species composition, crown closure) were updated. The year of the aerial photography used to obtain this information may also be used as the update reference year.
Content:	Must have value
Default:	Must have value
Permitted Values:	91 indicates update reference year is 1991
Use:	used to assess the currentness of the stand attributes describing the layer
Linkage:	None
Format:	Record type: Layer Field: 42 Type: Numeric Width: 2 Dec: Position: 167:168
Related Attribute:	Reference_Year, Projected_Date

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Resource Inventory, District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_Per_Ha_Spp_1_Pri_Util_Lvl**		
Alias:	**Vol_Per_Ha_Spp_1_Pri_Util_Lvl**		

Forestry Term:	Leading Species Volume
Description:	Net volume per hectare of the leading commercial species at the primary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the leading species may be lower than volumes for other species in the stand. Net volumes are calculated for Rank 1 layers only, Typid 1 through 3.
Content:	7 character numeric value holding net species volume per ha.
Default:	0.0 m3/h
Permitted Values:	287.1 m3/ha 0.0 m3/ha
Use:	Volumes per hectare - Secondary Utilization is used to determine: - volume for leading species at the secondary utilization level, - total volume per hectare (of all species) at the secondary utilization level, - total volume (of all species) at the secondary utilization level, - volumes per hectare for specific species or groups of species (e.g., Volume of coniferous species).
Linkage:	Volumes are calculated using projected_age, site_index and stocking_class_cd, with coefficients based on fiz_code and inventory_type_group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by sec_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 22 Type: Numeric Width: 7 Dec: 1 Position: 61: 67
Related Attribute:	Coast_Interior_cd, Tree_Species_Cd_1, Tree_Species_Pct_1
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_Per_Ha_Spp_1_Sec_Util_Lvl**		
Alias:	**Vol_Per_Ha_Spp_1_Sec_Util_Lvl**		

Forestry Term:	Leading Species Volume
Description:	Net volume per hectare of the leading commercial species at the secondary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the leading species may be lower than volumes for other species in the stand. Net volumes are calculated for Rank 1 layers only. Typid 1 through 3.
Content:	7 character numeric value holding net species volume per ha.
Default:	0.0 m3/h
Permitted Values:	287.1 m3/ha 0.0 m3/ha
Use:	Volumes per hectare - Secondary Utilization is used to determine: - volume for leading species at the secondary utilization level, - total volume per hectare (of all species) at the secondary utilization level, - total volume (of all species) at the secondary utilization level, - volumes per hectare for specific species or groups of species (e.g., Volume of coniferous species).
Linkage:	Volumes are calculated using projected_age, site_index and stocking_class_cd, with coefficients based on fiz_code and inventory_type_group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by sec_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 28 Type: Numeric Width: 7 Dec: 1 Position: 103: 109
Related Attribute:	Coast_Interior_cd, Tree_Species_Cd_1, Tree_Species_Pct_1
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_Per_Ha_Spp_2_Pri_Util_Lvl**		
Alias:	**Vol_Per_Ha_Spp_2_Pri_Util_Lvl**		

Forestry Term:	Second Species Volume
Description:	Net volume per hectare of the second commercial species at the primary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the second species may be lower than volumes for species with a lower percent composition. Net volumes are calculated for Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare in cubic metres
Default:	0.0 m3/ha
Permitted Values:	135.2 m3/ha
Use:	Volume per hectare - Primary Utilization is used to determine: - volume for second species at the primary utilization level; - total volume per hectare (of all species) at the primary utilization level; - total volume (of all species) at the primary utilization level; - volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using projected_age, site_index and stocking_class_cd, with coefficients based on fiz_code and inventory_type_Group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 23 Type: Numeric Width: 7 Dec: 1 Position: 68: 74
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_2, Tree_Species_Pct_2

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_Per_Ha_Spp_2_Sec_Util_Lvl**		
Alias:	**Vol_Per_Ha_Spp_2_Sec_Util_Lvl**		

Forestry Term:	Second Species Volume
Description:	Net volume per hectare of the second commercial species at the secondary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the second species may be lower than volumes for species with a lower percent composition. Net volumes are calculated for Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare in cubic metres
Default:	0.0 m3/ha
Permitted Values:	135.2 m3/ha
Use:	Volume per hectare - Primary Utilization is used to determine: - volume for second species at the primary utilization level; - total volume per hectare (of all species) at the primary utilization level; - total volume (of all species) at the primary utilization level; - volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using projected_age, site_index and stocking_class_cd, with coefficients based on fiz_code and inventory_type_Group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 29 Type: Numeric Width: 7 Dec: 1 Position: 110:116
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_2, Tree_Species_Pct_2

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_Per_Ha_Spp_3_Pri_Util_Lvl**		
Alias:	**Vol_Per_Ha_Spp_3_Pri_Util_Lvl**		

Forestry Term:	Third Species Volume p
Description:	Net volume per hectare of the third commercial species at the primary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the third species may be lower than volumes for species with a lower percent composition. Net volumes are calculated of Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare in cubic metres
Default:	0.0 m3/ha
Permitted Values:	50.5 m3/ha
Use:	Volume per hectare - Primary Utilization is used to determine: - volume for second species at the primary utilization level; - total volume per hectare (of all species) at the primary utilization level; - total volume (of all species) at the primary utilization level; - volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using projected_age, site_index and stocking_class_cd, with coefficients based on fiz_code and inventory_type_Group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 24 Type: Numeric Width: 7 Dec: 1 Position: 75: 81
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_3, Tree_Species_Pct_3

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_Per_Ha_Spp_3_Sec_Util_Lvl**		
Alias:	**Vol_Per_Ha_Spp_3_Sec_Util_Lvl**		

Forestry Term:	Third Species Volume p
Description:	Net volume per hectare of the third commercial species at the secondary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the third species may be lower than volumes for species with a lower percent composition. Net volumes are calculated of Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare in cubic metres
Default:	0.0 m3/ha
Permitted Values:	50.5 m3/ha
Use:	Volume per hectare - Secondary Utilization is used to determine: - volume for second species at the primary utilization level; - total volume per hectare (of all species) at the primary utilization level; - total volume (of all species) at the primary utilization level; - volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using projected_age, site_index and stocking_class_cd, with coefficients based on fiz_code and inventory_type_Group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 24 Type: Numeric Width: 7 Dec: 1 Position: 117:123
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_3, Tree_Species_Pct_3

References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_per_ha_spp_4_pri_util_lvl**		
Alias:	**Vol_per_ha_spp_4_pri_util_lvl**		

Forestry Term:	Fourth Species Volume
Description:	Net volume per hectare of the fourth commercial species at the primary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the fifth species may be lower than volume for species with a lower percent composition. Net volumes are calculated for Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare
Default:	0.0 m3/ha
Permitted Values:	25.1 m3/ha 0.0 m3/ha
Use:	Volumes per hectare - primary utilization is used to determine: 1. volume for fifth species at the primary utilization level; 2. total volume per hectare (of all species) at the primary utilization level); 3. volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using Projected_age, Site_index, and Stocking_class_cd, with coefficients based on Fiz_code and inventory_type_group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 25 Type: Numeric Width: 7 Dec: 1 Position: 82: 88
Related Attribute:	Coast_interior_cd, tree_species_cd_4, tree_species_pct_4
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**vol_per_ha_spp_4_sec_util_lvl**		
Alias:	**vol_per_ha_spp_4_sec_util_lvl**		

Forestry Term:	Fourth Species Volume
Description:	Net volume per hectare of the fourth commercial species at the primary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the fifth species may be lower than volume for species with a lower percent composition. Net volumes are calculated for Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare
Default:	0.0 m3/ha
Permitted Values:	25.1 m3/ha 0.0 m3/ha
Use:	Volumes per hectare - secondary utilization is used to determine: 1. volume for fifth species at the primary utilization level; 2. total volume per hectare (of all species) at the primary utilization level); 3. volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using Projected_age, Site_index, and Stocking_class_cd, with coefficients based on Fiz_code and inventory_type_group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 31 Type: Numeric Width: 7 Dec: 1 Position: 124:130
Related Attribute:	Coast_interior_cd, tree_species_cd_4, tree_species_pct_4
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_per_ha_spp_5_pri_util_lvl**		
Alias:	**Vol_per_ha_spp_5_pri_util_lvl**		

Forestry Term:	Fifth Species volume per
Description:	Net volume per hectare of the fifth commercial species at the primary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the fifth species may be lower that volume for species with a lower percent composition. Net volumes are calculated for Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare in cubic metres
Default:	0.0 m3/ha
Permitted Values:	15.1 m3/ha 0.0 m3/ha
Use:	Volumes per hectare - primary utilization is used to determine: 1. volume for fifth species at the primary utilization level; 2. total volume per hectare (of all species) at the primary utilization level); 3. volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using Projected_age, Site_index, and Stocking_class_cd, with coefficients based on Fiz_code and inventory_type_group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record Type: Layer Field Name: Field: 26 Type: Numeric Width: 7 Dec: 1 Position: 89: 95
Related Attribute:	coast_interior_cd, tree_species_cd_5, tree_species_pct_5
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_per_ha_spp_5_sec_util_lvl**		
Alias:	**Vol_per_ha_spp_5_sec_util_lvl**		

Forestry Term: Fifth Species volume per

Description: Net volume per hectare of the fifth commercial species at the secondary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Depending on the magnitude of the species' decay, waste, and breakage, the net volume for the fifth species may be lower than volume for species with a lower percent composition. Net volumes are calculated for Rank 1 layers only, TYPID 1 through 3.

Content: 7 character numeric value holding net species volume per hectare in cubic metres

Default: 0.0 m3/ha

Permitted Values: 15.1 m3/ha
0.0 m3/ha

Use: Volumes per hectare - primary utilization is used to determine:
1. volume for fifth species at the primary utilization level;
2. total volume per hectare (of all species) at the primary utilization level);
3. volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.

Linkage: Volumes are calculated using Projected_age, Site_index, and Stocking_class_cd, with coefficients based on Fiz_code and inventory_type_group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.

Format: Record Type: Layer
Field Name:
Field: 32
Type: Numeric
Width: 7
Dec: 1
Position: 131:137

Related Attribute: coast_interior_cd, tree_species_cd_5, tree_species_pct_5

References: Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section

Agency Responsible: Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_Per_Ha_Spp_6_Pri_Util_Lvl**		
Alias:	**Vol_Per_Ha_Spp_6_Pri_Util_Lvl**		

Forestry Term:	Sixth Species Volume p
Description:	net volume per hectare of the sixth commercial species at the primary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Net volumes are calculated for Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare in cubic metres
Default:	0.0 m3/ha
Permitted Values:	15.1 m3/ha
Use:	Volume per hectare - Primary Utilization is used to determine: - volume for second species at the primary utilization level; - total volume per hectare (of all species) at the primary utilization level; - total volume (of all species) at the primary utilization level; - volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using projected_age, site_index and stocking_class_cd, with coefficients based on fiz_code and inventory_type_Group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 27 Type: Numeric Width: 7 Dec: 1 Position: 96:102
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_6, Tree_Species_Pct_6
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Vol_Per_Ha_Spp_6_Sec_Util_Lvl**		
Alias:	**Vol_Per_Ha_Spp_6_Sec_Util_Lvl**		

Forestry Term:	Sixth Species Volume p
Description:	net volume per hectare of the sixth commercial species at the secondary utilization level. Net volume per hectare is determined as gross volume less decay, waste, and breakage. Net volumes are calculated for Rank 1 layers only, TYPID 1 through 3.
Content:	7 character numeric value holding net species volume per hectare in cubic metres
Default:	0.0 m3/ha
Permitted Values:	15.1 m3/ha
Use:	Volume per hectare - Secondary Utilization is used to determine: - volume for second species at the primary utilization level; - total volume per hectare (of all species) at the primary utilization level; - total volume (of all species) at the primary utilization level; - volumes per hectare for specific species or groups of species (e.g. volume of coniferous species), etc.
Linkage:	Volumes are calculated using projected_age, site_index and stocking_class_cd, with coefficients based on fiz_code and inventory_type_Group_source_cd. Per hectare values are apportioned based on percent species composition. Utilization is determined by pri_util_lvl_cd which in turn is based on coast_interior_cd. Net volumes are calculated using dwb factors based on special_cruise_number.
Format:	Record type: Layer Field: 32 Type: Numeric Width: 7 Dec: 1 Position: 138:144
Related Attribute:	Coast_Interior_Cd, Tree_Species_Cd_6, Tree_Species_Pct_6
References:	Ministry of Forests, Resources Inventory Branch, Growth and Yield/Decay and Volume Section
Agency Responsible:	Ministry of Forests, Resource Inventory Branch

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Volume_Adjustment_Factor**		
Alias:	**Volume_Reduction_Factor**		

Forestry Term:	Volume Adjustment Fact
Description:	A volume multiplier that can be used to increase or decrease stand volumes.
Content:	4 character numeric value where 0.00 represents non volume change
Default:	0.00
Permitted Values:	1.00
Use:	Used in Timber Supply Analyses to adjust stand volumes (e.g. volume reductions on young, immature stands that have low stocking levels).
Linkage:	May be used to adjust stand volume
Format:	Record type: Layer Field: 46 Type: Numeric Width: 4 Dec: 2 Position: 175:178
Related Attribute:	Vol_per_Ha_Spp_1_Pri_Util_Lvl to Vol_per_Ha_Spp_6_Sec_Util_Lvl

References:	Silviculture Branch
Agency Responsible:	Silviculture Branch/District

Model:	FIP Database	VRI Data Model	✔
Subject Area:	FIP		
Entity Type:	Forest_Inventory_Planning		
Subtype:	Layer		
Attribute:	**Well_Spaced_Stems**		
Alias:	**Stocking**		

Forestry Term:	Well Spaced Stems Per
Description:	The number of well spaced stems per hectare.
Content:	4 character numeric value holding the number of well space stems per hectare
Default:	0
Permitted Values:	1 to 9999
Use:	Used in Timber Supply Analyses to adjust yield estimates, and is proposed for use in Growth Modeling.
Linkage:	None
Format:	Record type: Layer Field: 51 Type: Numeric Width: 4 Dec: Position: 190:193
Related Attribute:	Stems_Per_Hectare

References:	Ministry of Forests, Resources Inventory Branch, Inventory Manual, Preparation of Forest Cover Source Maps
Agency Responsible:	Ministry of Forests, Silviculture/Resources Inventory, District

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Wildlife_Cd**
Alias:	**Wildlife_Cd**

Forestry Term:	Wildlife Code
Description:	Originally included to allow a wildlife polygon overlay. Has never been implemented.
Content:	Last 3 digits of Polygon Number
Default:	Zero filled
Permitted Values:	
Use:	Has never been used.
Linkage:	None
Format:	Record type: Resultant Field: 40 Type: Numeric Width: 3 Dec: Position: 115:117
Related Attribute:	None

References:	Ministry of Environment, Lands and Parks
Agency Responsible:	Ministry of Environment, Lands and Parks, Wildlife Branch

Model:	FIP Database VRI Data Model
Subject Area:	FIP
Entity Type:	Forest_Inventory_Planning
Subtype:	Resultant
Attribute:	**Woodcost**
Alias:	**Woodcost**

Forestry Term:	Wood Delivery Cost
Description:	A field allocated to holding the wood delivery cost for timber in that polygon. Not currently in use.
Content:	N/A
Default:	0
Permitted Values:	
Use:	Not in use
Linkage:	None
Format:	Record type: Resultant Field: 48 Type: Numeric Width: 2 Dec: Position: 150:151
Related Attribute:	None

References:	None
Agency Responsible:	Timber Harvesting Branch